



8

Reference — Kodak Driver for Aldus PhotoStyler Software

This section of the manual includes introductory material about the Kodak Driver for Aldus PhotoStyler Software, and then includes detailed information and explanations of:

- ▶ The file format used for image archive files.
- ▶ The commands provided by the driver.
- ▶ The messages provided by the driver.
- ▶ Troubleshooting for the driver.

.

Introduction

The driver supplied by Kodak for use with Aldus PhotoStyler software provides a variety of features that allow you to work with images on the DCS 200 Camera (with or without a hard disk), on an optional external hard disk, and on the PC hard disk. The driver allows you to:

- ▶ Acquire single images from the DCS 200 Camera or an external hard disk into Aldus PhotoStyler. You can then edit the images using PhotoStyler features and save them to the PC hard disk in a variety of file formats.
- ▶ Select one or more images in the image window, select all images, or select the last image from the DCS 200 Camera.
- ▶ Copy one or more selected images from the DCS 200 Camera hard disk or an external hard disk to a file called an image archive or archive file, on the PC hard disk.
- ▶ Copy one or more selected images from one archive file to a new archive file.
- ▶ Move one or more selected images from the DCS 200 Camera hard disk or an external hard disk to a new archive file on the PC hard disk or from one archive file to a new archive file. Unlike copying images, this action also deletes images from the DCS 200 Camera hard disk, or the external hard disk, or archive file after moving them to the new archive file on the PC hard disk.
- ▶ Delete selected images from the DCS 200 Camera hard disk or an external hard disk or delete images from an image archive file on the PC hard disk previously saved by this driver.

.....

File Format Used for Image Archive Files

Images saved as archive files to the PC hard disk by clicking COPY TO FILE or MOVE TO FILE from within the PhotoStyler driver supplied by Kodak can be read only with the PhotoStyler driver. An archive file on the PC hard disk can include multiple images. In addition to image data, an archive file includes thumbnails for each of its images, and all data from the "INFO" box for each of its images.

Color and monochrome images in these PC archive files are composed of uninterpolated data; they have not been "acquired" into PhotoStyler. This means they contain the 1.5 megabytes of data generated from the 1524 x 1012-pixel array in the camera back and stored on the DCS 200 Camera hard disk or on an external hard disk. If you select ten images (color or monochrome) from the DCS 200 Camera or an external hard disk and copy or move them to a single image archive file on the PC hard disk the size of the file will be approximately 15 megabytes. If you use the PhotoStyler driver to interpolate a single color image by acquiring it into PhotoStyler, the size of the single image file when saved in PhotoStyler format will be approximately 4.5 megabytes. Ten "acquired" color images will occupy approximately 45 megabytes. (Each acquired monochrome image saved in PhotoStyler format is 1.5 megabytes.)

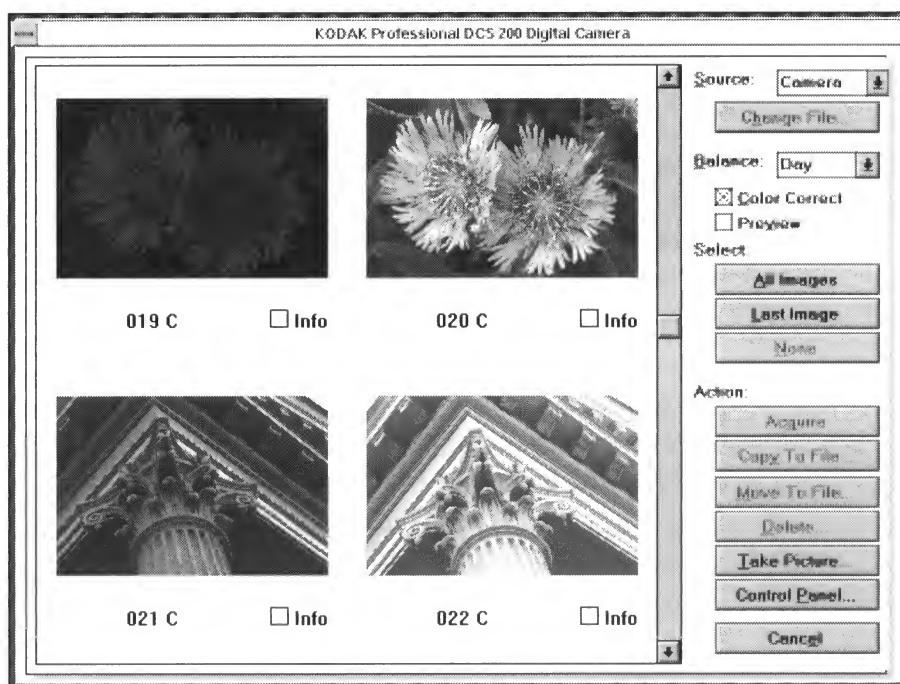
In order to work with an image from an archive file you should open the file as described in the next section. You can then select a single image from an archive file, acquire it into a PhotoStyler window, edit the data, and save the image as a PhotoStyler file.

Files saved by the driver are created with a ".KC2" filename extension. (Previous versions of the driver saved files with a ".KD2" extension; the current driver reads both file types.)

Commands

To use these features, you must first install the driver by following the series of one-time steps described in “Installing the Kodak Driver for Aldus PhotoStyler Software” on page 5-19. Then each time you want to use the driver, you run PhotoStyler, and choose KODAK DCS 200 from the **IMPORT** submenu of the PhotoStyler **FILE** menu. When you choose KODAK DCS 200, you will see the following dialog box on your PC monitor.

NOTE: If you are using a camera without an internal or external hard disk, and there is an image in the camera, you will only see that single image in the window. As each new image is made, it replaces the single image in the camera and in this window.



.....

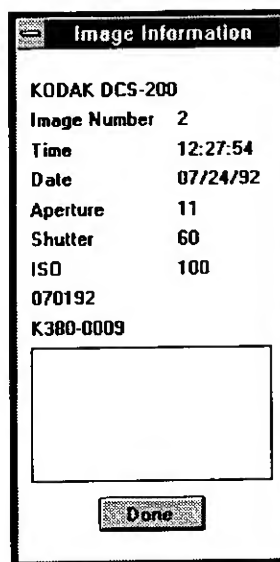
The image window displays thumbnails, either from images on the DCS 200 Camera hard disk, from an external hard disk or from image archives previously saved in a file on the PC hard disk by this driver.

Thumbnails appear in the image window in the same logical order that images appear on the DCS 200 Camera hard disk, or on an external hard disk or in the PC archive file. You can scroll through the images by moving the vertical scroll box or scroll arrows on the window, or by pressing the Page Up, Page Down, Home, or End keys on the PC keyboard. Depending on the size and configuration of your monitor, you will see two or more thumbnails on each row, and two or more rows of thumbnails.

When working with images from a file from the PC hard disk instead of images from the camera or external hard disk, the filename appears at the top of the image window instead of the words "KODAK Professional DCS 200 Digital Camera."

Three-digit image numbers appear beneath each image. A "C" after the image number — if it appears — indicates a color image. If you click the small square "INFO" box beneath the lower right corner of an image, the information box, shown on the next page, appears on the screen. To close the information box, click on the **DONE** button. The data displayed includes, from top to bottom: the image number, time (displayed in 24-hour format) and date the image was made, the camera aperture, shutter speed, ISO setting, firmware version number (a date) of the camera when this image was produced, and the camera serial number. (The firmware is the control programming in the camera.) The camera aperture and shutter speed appear in this window as they appear in the camera LCD panel and viewfinder. The time and date are maintained by a permanent battery in the DCS 200 Camera. You update the date and time with the **SET CLOCK** choice described on page 8-16.

Finally, a text box at the bottom of the information box allows you to enter short descriptive material, up to 254 characters, regarding the image. Use the mouse or arrow keys to move through text once entered. The text will be saved with the image (on the hard disk in the camera back or an external hard disk), and will be saved with the image if it is moved or copied to an archive file. However, the text is not saved when the image is acquired in PhotoStyler.



An explanation of each additional option follows.

NOTE: You choose a command by clicking on it with the mouse. Or you can use a keyboard shortcut; to do so, press and hold the Alt key, press the key for the underlined letter in the command (for example the "L" in Last Image), then release both keys.

.....

SOURCE

Allows you to work with images from the DCS 200 Camera (choose CAMERA from the popup menu), from a file on the PC (choose FILE from the popup menu), or with images from an external hard disk (choose EXT DISK from the popup menu). CAMERA is the default. When working with a PC file, the filename appears at the top of the image window.

When you open the driver, the software looks first to the source in use at the end of your previous work session. If that source is not available (for example if you have deleted the file you were using), the software will look for a camera, then for an external hard disk, then for an archive file.

CHANGE FILE

Allows you to close the current archive file (its contents are shown in the image window), and open another archive file from the PC hard disk. Click on this button to display a standard PC open file dialog box. This button is dimmed unless you select FILE as the SOURCE.

BALANCE

This option applies only to color images.

Select an option to correspond to the original lighting conditions under which you made the image. The option you select will be used for color correction by the driver when the image is acquired. The actions described in this section do not affect the images stored in the camera (or on an attached external hard disk that has been used with the DCS 200 Camera); instead, these actions only affect the acquired image.

NOTE: If thumbnails or a preview are being viewed in color (you change to COLOR THUMBNAILS on the Control Panel), any changes you make in the BALANCE setting is immediately visible on the computer monitor.

.

The **BALANCE** popup menu provides the following choices.

- DAY** Uses daylight color-correction values when acquiring the image.
- TUNG** Uses tungsten color-correction values when acquiring the image.
- TUNGBG40** Uses special tungsten color-correction values when acquiring the image, assuming you used a Schott BG-40 1mm filter (refer to “Optional Camera Equipment” on page 1-9 for availability information). Without the filter, color results may not be very accurate with a tungsten light source; however, acceptable color rendition can be obtained with this filter under tungsten lighting.
- FLUOR** Uses fluorescent color-correction values when acquiring the image.
- FLASH** Uses flash color-correction values when acquiring the image.
- CLICK** Allows you to provide color balancing data by clicking on a white or light gray area of a thumbnail or a preview. **CLICK** is always the preferred option. After choosing **CLICK**, the mouse pointer becomes a crosshair. Click on a white or light gray area of the image in a thumbnail or preview that is not overexposed. White balance values are calculated based on the point at which you clicked. The values are used for color balancing this and subsequent images you acquire until you change the values by choosing **CLICK** or another item from the **BALANCE** popup menu.

When using **CLICK**, we suggest that you view the image you want with **PREVIEW**, which displays a larger image and therefore more easily allows you to find a white area that is not

If there is no white or light gray area in the image, take a photograph of a neutral gray or white card (for example KODAK Gray Cards, Publication No. R-27) under the current light conditions. Click on the preview (or thumbnail) of this image to set color correction values for these lighting conditions; then acquire the desired image(s).

NONE

Enhances the color in many images when you acquire the image. (When "on" an X appears in the check box to the left of this option). In the rare case that the acquired image quality is unsatisfactory, return to the driver, turn this option off and acquire the image again; no color correction will be applied.

.

PREVIEW

Presents a single, enlarged version of the image — in color on a color monitor if the image is color — in the image window. You can scroll through images while in preview mode. Data displayed below the preview image indicate the image number, the current X and Y pixel location of the crosshair cursor on the preview image, and the red, green, and blue values at the current cursor location.

(Refer to “Click” on page 8-8 for an explanation of the use of PREVIEW with that feature.)

SELECT

Highlights images. (A narrow border surrounds highlighted images.) The buttons are useful for selecting images to delete, or to copy or move to the PC hard disk.

IMPORTANT: SELECT chooses images from the DCS 200 Camera (or from an external hard disk or from an archive file), not just thumbnails in the image window. For example, suppose you click on LAST IMAGE and then click on DELETE. The action does not merely delete the last image from computer memory, but in addition, these actions will delete the last image from the source (DCS 200 Camera hard disk or external hard disk or archive file).

.

The three select choices work with images not currently visible in the image window. For example, clicking on **ALL IMAGES** selects thumbnails of *all* images, not only those visible in the image window; if you scroll the image window, you will see that all images are selected.

You can also select a single image by clicking on it. You can select multiple images by clicking on one image and then adding (or subtracting) from the selection by shift-clicking on other images (hold down the Shift key while you click on additional images).

Select choices are dimmed when **PREVIEW** is on and when there are no images on the camera or external hard drive.

ALL IMAGES

Highlights all images. This choice is dimmed when the **SOURCE** is **CAMERA** or **EXT Disk** and there are no images on the camera or external hard disk.

LAST IMAGE

Highlights the last image. This choice is dimmed when the **SOURCE** is **CAMERA** or **EXT Disk** and there are no images on the camera or external hard disk.

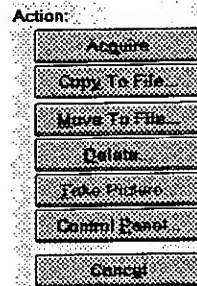
NONE

Click on this button to deselect all highlighted images.

.

ACTION

Provides the following capabilities.



ACQUIRE

Allows you to acquire a single highlighted image into Aldus PhotoStyler. You can achieve the same effect by double-clicking on the thumbnail.

If more than one image is currently highlighted, you will acquire only the first of the selected images. (PhotoStyler allows you to acquire only one image at a time.)

You only acquire image data. You do not acquire the thumbnail, color correction data, or data from the INFO box.

NOTE: The ACQUIRE button is dimmed until you select an image(s).

COPY TO FILE...

Copies highlighted images, whether currently visible in the image window or not, to a single image archive file on the PC hard disk. The SOURCE can be either CAMERA, FILE, or EXT DISK. A standard PC save dialog box appears. Image data, a thumbnail, an image number (matching the original

.

number used for the image on the DCS 200 Camera), and other data from the "INFO" box are saved for each image.

NOTES: The COPY TO FILE button is dimmed until you select an image(s).

Files saved by the driver are created with a ".KC2" filename extension. (Previous versions of the driver saved files with a ".KD2" extension; the current driver reads both file types.)

Do not take a new picture while an image(s) is being copied to a file.

MOVE TO FILE...

Performs the same function as COPY TO FILE, but in addition deletes the highlighted images (whether currently visible in the image window or not), from their source — a DCS 200 Camera hard disk, an external hard disk, or from an archive file on the PC hard disk. A dialog box provides you with the option of deleting the images.

NOTES: The MOVE TO FILE button is dimmed until you select an image(s), or if the SOURCE is FILE and the selected file is read-only.

Files saved by the driver are created with a ".KC2" filename extension. (Previous versions of the driver saved files with a ".KD2" extension; the current driver reads both file types.)

DELETE...

Deletes highlighted images (whether currently visible in the image window or not), from their source — either the DCS 200 Camera hard disk, an external hard disk, or the PC archive file. A dialog box warns you that images will be deleted. If all images in an archive file are deleted, the complete file is deleted.

NOTES: The DELETE button on the camera back does not function when the camera is connected to a computer; use the DELETE button on the software driver to delete images in this configuration.

The DELETE button is dimmed until you select an image(s), or if the SOURCE is FILE and the selected file is read-only.

.

TAKE PICTURE...

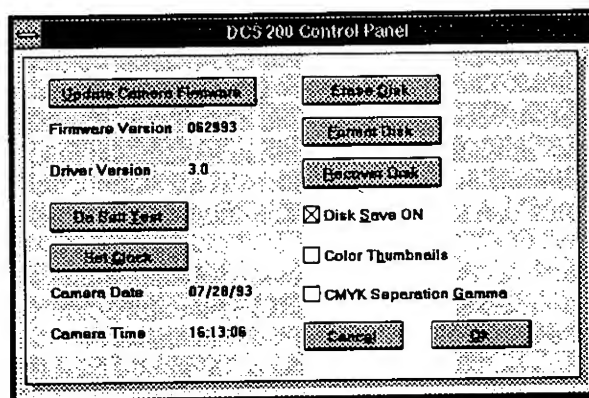
Issues a command that causes the camera to take a picture. There may be a several second delay to allow the Nikon N8008s to focus if needed. To take a picture the DCS 200 Camera must be connected to the PC, the SOURCE must be CAMERA (the button is dimmed when the source is FILE or EXT DISK), and the DCS 200 Camera must be turned on.

CONTROL PANEL...

Displays the following dialog box.

IMPORTANT: When the camera is attached to the computer, if you hold down the Control key when you select KODAK DCS 200 from the IMPORT submenu of the PhotoStyler FILE menu, you will bring up this dialog box directly. This is particularly helpful if there are corrupt data on the camera hard disk which prevent the normal dialog box from appearing. Using the Control key as described here brings you directly to this dialog box from which you can erase or format the hard disk or update camera firmware.

If no camera is currently connected to the computer, most items in the box below are not in effect and are therefore dimmed or do not appear.



.

UPDATE CAMERA FIRMWARE Select this choice to update the firmware, the non-volatile memory containing the control programming for the camera. The firmware controls most of the features of the camera.

The software driver looks for a file named DCS200.HEX. The contents of the file DCS200.HEX are permanently transferred into the firmware in the camera. Approximately 45 seconds are required. The camera back liquid crystal display (LCD) displays the SCSI indicator while the transfer occurs. An error message is displayed if the DCS200.HEX file is not found.

This feature allows you to keep the firmware in the camera up-to-date without sending the camera to a service center, since new versions of the DCS200.HEX file that you receive can be copied to the camera with this command. It also allows you to replace the firmware in the camera with the current version if the firmware in the camera is acting erratically.

If you are unable to open the driver (and therefore cannot access the Control Panel containing this button), hold down the Control key on your keyboard while choosing the driver name from the ACQUIRE submenu. This will bypass the normal access to the driver and will place you directly in the Control Panel from which you can click on the **UPDATE CAMERA FIRMWARE** button.

If you are still unable to access the Control Panel, remove the camera back battery holder. Hold down the **DELETE** button on the camera back while you reinsert the battery holder (filled with charged batteries) and wake the camera.

.

You see the characters “SCSI” on the camera back LCD.
Then update camera firmware as described above.

NOTE: if you are working with a camera without an internal hard disk, updating camera firmware deletes an image, if present, in RAM.

FIRMWARE VERSION The version of the firmware (control programming) in the camera currently attached to the computer.

NOTE: This firmware version may be different from the firmware version displayed in an information box for an individual image. The version in the control panel is the version of the camera currently connected to the computer. If a camera with different firmware was used to produce an image, then a different value will appear in the information box for that image.

DRIVER VERSION The version of the software driver for PhotoStyler currently in use.

DO SELF TEST Click this button to perform a diagnostic self-test of the DCS 200 Camera. Messages inform you of the outcome of the self-test. These data can be helpful for field debugging before you call Kodak with a problem.

NOTE: This action deletes an image, if present, in RAM. This means that if you are working with a camera without an internal hard disk or with a camera with a hard disk but disk save is off, you will lose the image in RAM if one was present.

SET CLOCK Click this button to set the date and time in the DCS 200 Camera. The date and time (in 24-hour format) are maintained in the camera back with a separate battery that is slowly recharged from the batteries you install. When you click this button, the date and time are automatically retrieved from the PC system clock and copied to the DCS 200 Camera.

.

Each image is date and time-stamped when made. These data are shown when you display the information box for the thumbnail or the preview of an image by clicking on the small square "INFO" box beneath the lower right corner of the thumbnail or preview.

The date and time do not appear on the camera back LCD.

- CAMERA DATE Displays the date that is currently stored in the camera; this date becomes part of the date and time-stamp saved and displayed for each image in the image information box. If the control panel is not displaying the date "today," click on the SET CLOCK button to update this date from your computer system clock.
- CAMERA TIME Displays the time that is currently stored in the camera; this time becomes part of the date and time-stamp saved and displayed for each image in the image information box.

If this is not displaying the current time click on the SET CLOCK button to update this time from your computer system clock.
- ERASE DISK Select this choice to erase a hard disk, either an internal hard disk in the camera or an external hard disk currently connected to the PC (depending on which is chosen as the SOURCE). This is the same as selecting all images from the image window and deleting them by pressing the DELETE button.
- FORMAT DISK Click this button to format the hard disk in the camera or an external hard disk (depending on which is chosen as the SOURCE). This action is similar to formatting a floppy diskette or hard disk on your computer system. Existing images on

.

the hard disk are permanently erased and cannot be recovered.

Be patient as the formatting occurs; you will not be able to take any other action until you see a message that formatting was completed successfully.

If you are having unexplainable problems with the hard disk in the camera or with an external hard disk (perhaps you are losing images, or you have been seeing an "E" followed by a single digit, for example "E2," on the camera back LCD), use this feature to reformat the hard disk and try again.

IMPORTANT: If you are working in an environment where security is a consideration, you should reformat the camera hard disk or external hard disk with this button after you save needed images to your computer hard disk. This will ensure that images on the hard disk cannot be recovered with the RECOVER DISK button described next.

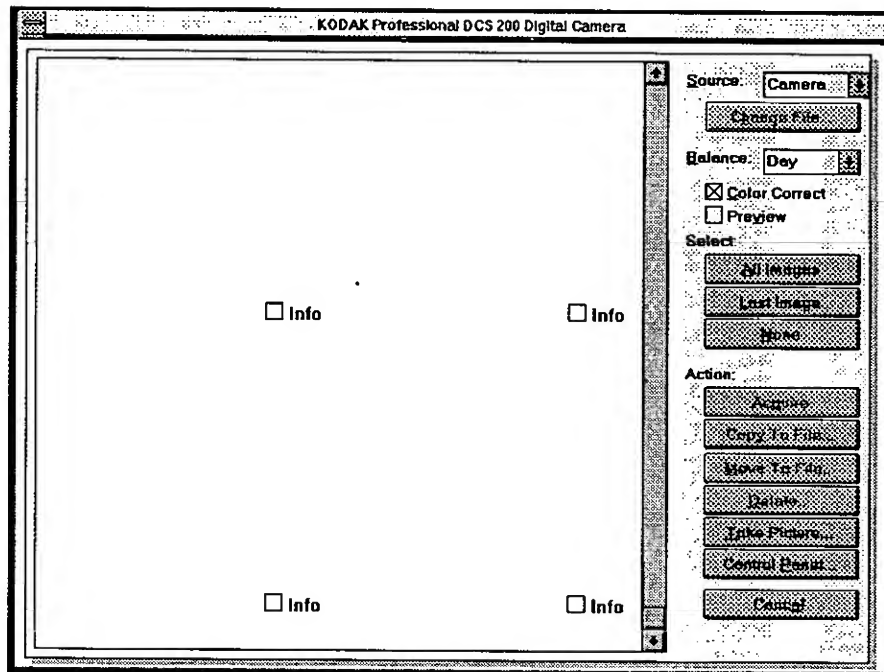
RECOVER DISK Click this button to recover images that have been deleted from an internal hard disk in the camera or an external hard disk currently connected to the PC (depending on which is chosen as the SOURCE). The images you recover may have been previously deleted with:

- ▶ The DELETE button on the outside of the camera back.
- ▶ The DELETE button in the software driver.
- ▶ The ERASE DISK button on the CONTROL PANEL of the software driver.

You cannot use this option to recover the images that were deleted when you formatted the disk with the FORMAT DISK choice on the Control Panel.

When you click the RECOVER DISK button, every image location on the hard disk is examined and recovered. The most recent image that was in each location is recovered.

Blank images at the end of the hard disk are also “recovered” as shown below. This means that the hard disk when recovered is full of images, preventing you from taking additional images. You will need to delete images before you can take additional pictures; these blank images can be selected by clicking and shift-clicking on them and can then be deleted by clicking on the DELETE button. (Blank images are not placed at the end of a recovered external hard disk.)



.

The following examples explain the action of this button.

Example 1. Suppose that you have a new camera with an internal disk capable of storing 50 images, and that you have taken ten pictures and delete one. If you recover the hard disk, you will have all ten images — the original nine images will still be there, and you will have recovered the tenth image. In addition you will recover 40 blank images at the end of the disk.

Example 2. Suppose that you have a new camera with an internal disk capable of storing 50 images, and that you have taken ten pictures, have deleted one, and taken another picture. In this case, the newest picture overwrites the deleted tenth image. If you recover the hard disk, you will obtain fifty images, the nine original images, the latest picture you have taken, plus forty blank images at the end of the hard disk. The picture you deleted that was overwritten with a new image cannot be recovered.

Example 3. Suppose that you have filled the hard disk with images, and erased all images. If you recover the disk with this button before you take any additional pictures you will have recovered all of the images you erased.

Example 4. Suppose you have a hard disk capable of holding 50 images. Over time you have taken pictures, erased the disk, taken more pictures, deleted some, taken additional pictures, and so on — never having more than 40 images on the hard disk. As you take new pictures while there are still active images on the hard disk, the new images are written into the next empty location on the hard disk; deleted images that are overwritten become unrecoverable. If you delete all

.

images and take three new pictures, the three new images will overwrite the oldest three images on the hard disk.

If you recover the disk, you will recover 50 images. The three new images will be at the start of the disk, followed by the 37 images from the end of the disk that have not been overwritten by previous actions, followed by 10 blank images.

IMPORTANT: If you are working in an environment where security is a consideration, you should reformat the disk with the **FORMAT DISK** button described earlier after you save images you need to your computer hard disk. This will ensure that images cannot be recovered with the **RECOVER DISK** button.

DISK SAVE ON When “on” (an X appears in the check box to the left of this option when on), new pictures you take are saved to a hard disk. Click this feature off when you do not want images saved to disk. When off, each new picture you take replaces the previous one.

COLOR THUMBNAI Click this feature on (an X appears in the check box to the left of this option when on), to display thumbnails in color.

CMYK SEPARATION GAMMA When on (an X appears in the check box to the left of this option when on), images you acquire will have a gamma applied that is lower than the default value. The lower gamma results in less noise in the CMYK channels when you separate the image.

CANCEL Exits from the dialog box, canceling changes you may have made to the **DISK SAVE ON** and **COLOR THUMBNAI** choices. Alternately, press the Escape key to exit from the dialog box.

OK Exits from the dialog box.

.

Messages — Kodak Driver for Aldus PhotoStyler Software

You use Aldus PhotoStyler software on your PC to acquire images from the DCS 200 Camera; to do so, you choose KODAK DCS 200 from the IMPORT submenu of the PhotoStyler FILE menu. The PhotoStyler software driver was designed by Kodak specifically for this purpose. That driver adds new messages to PhotoStyler; an explanation of those messages — listed in alphabetical order — follows.

NOTE: For an explanation of other Aldus PhotoStyler messages, refer to the instructions for that product.

Message	Possible Cause	Suggested Solution
"Bad informational data has been found in the data. Continue and save the rest of the image?"	You are trying to copy or move image(s) to an archive file and one or more of the images is a blank image.	Click OK or move all selected non-blank images to the archive file, or click Cancel to cancel the operation without creating the file.
"Bad label in External Drive."	A problem is detected when trying to access the external hard disk that has been used with the camera.	Shut down the computer, disconnect the external hard disk, connect the external hard disk to the camera, and turn on the camera. This action may recreate the label on the external hard disk. <i>continued</i>

.....

Message	Possible Cause	Suggested Solution
		<i>continued from previous page</i> Then turn off the camera, remove the external hard disk, connect the hard disk to your computer, turn on your computer and try reading from the external hard disk again. If necessary, recover the hard disk from the control panel. If you are successful, acquire or move images you want to save from the external hard disk to your computer hard disk. If you are still unable to access the external hard disk, format the disk from the control panel (this will destroy all images on the hard disk).
"Camera was not found. Wake up Camera, check all cables, and check for SCSI ID conflict."	The camera is not awake.	Wake the camera and click the Try Again button.
	The SCSI cable is not connected properly.	Verify that the SCSI cable is connected properly between the computer and the camera. If not, turn both off, reconnect them, and try again. <i>continued</i>

.

Message	Possible Cause	Suggested Solution
<i>continued from previous page</i> "Camera was not found. Wake up Camera, check all cables, and check for SCSI ID conflict."	The camera SCSI ID is set improperly.	Reset the camera SCSI ID so that it is different from other devices connected to the computer. To do so, turn off the camera, then the computer. Reset the camera SCSI ID. Restart.
"Cannot find filename."	You are trying to open an archive file that the driver cannot locate.	Try another drive, another directory, or another file.
"Cannot have same file open for acquiring from and saving to."	While working with an archive file (the Source is File), you have selected images, chosen "Copy to File" or "Move to File," and tried to save the images using the same filename as the opened archive file.	Try again, but this time enter a filename different from the name of the open archive file.
"Cannot locate the SCSI host adapter."	The driver does not find the Future Domain SCSI Host Adapter.	<p>You must have a Future Domain SCSI Host Adapter installed to access files from the DCS 200 camera. (Refer to "Required SCSI Interface" on page 1-7.)</p> <p>If necessary have a technician install this board, or perform troubleshooting on an already installed board.</p>
"Cannot read DCS200.HEX. Invalid file format."	There is a problem with the DCS200.HEX file.	Reinstall the software driver as described in "Installing the Kodak Driver for use with Aldus PhotoStyler Software" on page 5-19, then try again.

.....

Message	Possible Cause	Suggested Solution
"Cannot read <i>filename</i> ."	An unusual condition was detected when trying to read this file, for example the file is in the wrong format.	Try again, and if unsuccessful reinstall the driver. If problems persist you may be unable to access images from this file.
"Cannot read <i>filename</i> , Invalid file format or file missing."	An unusual condition was detected when trying to read this file, for example the file is in the wrong format.	Try again and if unsuccessful reinstall the driver. If problems persist you may be unable to access images from this file.
"Cannot save because the disk is full. XXX KB needed to save."	There is not enough room on the disk to save the file.	Choose another disk, and try again.
"Cannot write <i>filename</i> . Check your disk space or write protection."	There is not enough room on the disk to save the file, or the device or media is write protected.	Choose another disk, or change the protection on this disk and try again.
"Could not acquire this image because informational data was invalid."	You have tried to acquire a blank image, or an image that has been corrupted.	Blank images cannot be acquired. Work with another image. If it is not a blank image, you may not be able to acquire this image.
"Could not save any images. All images had bad informational data."	You have tried to save a blank image to an archive file, or an image that has been corrupted.	Blank images cannot be saved to archive files. Work with another image. If it is not a blank image, you may not be able to acquire this image.
"DCS (Digital Camera System) has been disconnected or shut off."	The camera and the computer have been disconnected.	Turn off the camera and the computer, reconnect them, and try again.

.....

Message	Possible Cause	Suggested Solution
"Deleting complete file."	The file is being deleted.	No action is required.
"Disk has been recovered successfully."	You initiated a disk recovery by clicking Recover Disk in the Control Panel. It was completed successfully.	No action is required.
"Do you want to delete ALL images on the camera?"	You are about to delete all images on the camera (not only the images in the image window).	Make the appropriate choice.
"Do you want to delete ALL images on the External Drive?"	You are about to delete all images on the external hard disk (not only the images in the image window).	Make the appropriate choice.
"Do you want to delete ALL images in FILE?"	You are about to delete all images in the archive file on your PC hard disk (not only the images in the image window).	Make the appropriate choice.
"Do you want to delete these images?"	You are about to delete all selected images. (The selection may include images not currently appearing in the image window).	Make the appropriate choice.
"Do you want to format disk? All images will be deleted and cannot be RECOVERED! This can take several minutes."	You have clicked on Format Disk in the control panel.	Make the appropriate choice. If you continue, all images will be erased and cannot be recovered.

.....

Message	Possible Cause	Suggested Solution
"Do you want to update camera firmware? DCS200.HEX will be downloaded to the camera."	You have clicked on Update Camera Firmware in the Control Panel.	Make the appropriate choice. If you continue, firmware in the camera will be updated from the DCS200.HEX software file.
"Filename exists, Do you want to replace it?"	You are about to overwrite an existing file with a new archive file.	Make the appropriate choice.
"Firmware update failed."	You have clicked on Update Camera Firmware in the Control Panel, but the update failed.	Reinstall the software driver as described in "Installing the Kodak Driver for use with Aldus PhotoStyler Software" on page 5-19, then try again.
"Firmware update has completed successfully."	You have clicked on Update Camera Firmware and the update completed properly.	No action needed.
"Format has completed successfully."	You have formatted the disk.	No action needed.
"Hardware Error"	A problem with the hardware has been detected.	Verify that all SCSI connections are correct (if necessary turn off all equipment to alter the connections), make sure the camera has a unique SCSI ID, and try again.
"Illegal Request"	A problem with the hardware has been detected.	Verify that all SCSI connections are correct (if necessary turn off all equipment to alter the connections), make sure the camera has a unique SCSI ID, and try again.

.

Message	Possible Cause	Suggested Solution
"Informational data not available for this image."	You have clicked on the Info box for a blank image.	Work with another, non-blank image.
"Modified text cannot be saved to file because file is read-only. All modified text will be lost!"	You have typed text in the information box for an image in an archive file but the archive file is read-only.	Turn off the Read Only attribute property for this file and try again.
"More than one image was selected. Only the first one will be acquired."	You have selected more than one image and then clicked Acquire.	Click OK to acquire the first image of the selected thumbnails. Or click Cancel, select a single image, and then click Acquire.
"Not enough disk space."	There is not enough room on the disk to save the file.	Choose another disk, and try again.
"Not enough memory."	There is not enough memory to complete the operation.	Be certain that you have the minimum system requirements (refer to "IBM PC or Compatible Computer — Hardware and Software" on page 1-6. Shut down other applications if they are running.
"One of the colors is saturated. Please pick another point for balancing."	After choosing Click from the Balance menu you have clicked on an overexposed area of the image.	Choose Click again from the Balance popup menu and then click on a white area that is not overexposed. (Refer to the explanation of Click on page 8-8; it describes using Preview with Click to avoid choosing an overexposed area.)

.....

Message	Possible Cause	Suggested Solution
"Parity error detected during transfer."	A hardware error has been detected in the cabling or in the camera.	Verify that all SCSI connections are correct (if necessary turn off all equipment to alter the connections). Try other cables if available. If the problem persists, contact Kodak.
"Self Test has completed successfully."	The self test is done.	No action needed.
"The Camera was not found. Try the following. Wake up Camera Turn on Camera power Check all cables Check for SCSI ID conflicts Check for dead batteries Switch to file"	The camera is not awake.	Wake the camera and click the Try Again button.
	The power to the camera is off.	Slide the power switch to on, wake the camera, and click the Try Again button.
	The SCSI cable is not connected properly.	Verify that the SCSI cable is connected properly between the computer and the camera. If not, turn both off, reconnect them, and try again.
	The camera SCSI ID is set improperly.	Reset the camera SCSI ID so that it is different from other devices connected to the computer. To do so, turn off the camera, then the computer. Reset the camera SCSI ID. Restart.

continued

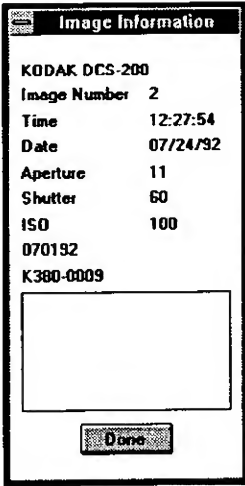
.

Message	Possible Cause	Suggested Solution
<i>continued from previous page</i> "The Camera was not found. Try the following. Wake up Camera Turn on Camera power Check all cables Check for SCSI ID conflicts Check for dead batteries Switch to file"	You have connected the camera to a different computer (or to the same computer to which you previously connected an additional SCSI device), resulting in a SCSI ID conflict.	Reset the camera SCSI ID so that it is different from other devices connected to the computer. To do so, turn off the camera, then the computer. Set the camera SCSI to a unique value. Restart.
	There are dead batteries in the camera back.	Turn off the camera, replace the batteries, and try again.
	You have deliberately chosen the driver when no camera was connected with the intention of working with images in an archive file.	Click "Switch to File" and open an archive file from your computer hard disk.
"The External Hard Drive has been disconnected or shut off."	The external hard disk and the computer have become disconnected.	Repeat the steps for making this connection presented in the tabbed section "Using an external hard disk."
"The External Hard Drive was not found, or if present has not been formatted by using it with the camera. Switching Source back to Camera."	You have changed the Source to EXT Disk but the external disk is not found.	Repeat the steps for making this connection presented in the tabbed section "Using an external hard disk."
"The External Hard Drive was not found, or if present has not been formatted by using it with the camera. Switching Source back to FILE."	You have changed the Source to EXT Disk but the external disk is not found.	Repeat the steps for making this connection presented in the tabbed section "Using an external hard disk."

.

Message	Possible Cause	Suggested Solution
"The preference file: FILENAME is not compatible with current Version 3.0 driver. Please reinstall 3.0 driver."	A problem occurred when the driver was installed.	Reinstall the driver, following the directions in "Installing the Kodak Driver for use with Aldus PhotoStyler software" on page 5-19. Then try again.
"This Driver is not compatible with the Camera. Please get a newer Driver."	An outdated or improperly installed driver is in use.	Reinstall the driver, following the directions in "Installing the Kodak Driver for use with Aldus PhotoStyler software" on page 5-19. Then try again.
"This image is no longer available. Please try again."	You have taken a picture while acquiring an image.	Try again, but do not take a picture while another image is being acquired.
"Timeout during Command phase." "Timeout during Data phase." "Timeout during Message phase." "Timeout during Selection phase." "Timeout during Status phase." "Timeout waiting for initial bus free phase."	A problem with the hardware has been detected.	For any of this group of messages, verify that all SCSI connections are correct (if necessary turn off all equipment to alter the connections), make sure the camera has a unique SCSI ID, and try again.

Troubleshooting — Kodak Driver for Aldus PhotoStyler Software

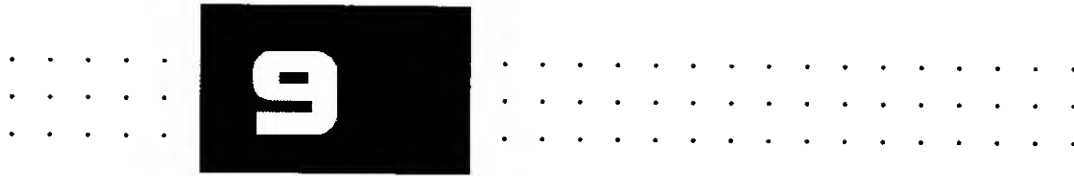
Trouble	Possible Cause	Suggested Solution
The KODAK DCS 200 Camera choice does not appear on the Import submenu.	You have not installed the driver software.	Install the driver for PhotoStyler software.
The time and/or date in the information box for an image(s) is incorrect.	The computer system clock from which the clock in the camera was set, contained an incorrect time and/or date.	Reset the computer system clock. Connect the DCS 200 to your computer, run the driver, and reset the clock in the camera using the Set Clock choice on the Control Panel.
	The internal clock battery (a permanently-installed separate battery in the camera back) is low.	Leave good batteries in the camera back for several days to charge the internal battery.
	You are unable to open the software driver when you choose its name from the Import submenu while the camera is connected to the computer.	The firmware in the camera has become corrupted. Update camera firmware as described on page 8-15.

.

Trouble	Possible Cause	Suggested Solution
You are experiencing erratic camera behavior or unusual characters appear on the camera back liquid crystal display (LCD). You know the batteries are charged. You have tried to update the camera firmware but are unable to do so — perhaps the camera does not respond to the computer software driver.	The firmware in the camera has become corrupted.	Update camera firmware as described on page 8-15.
All acquired images have a consistent defect.	There is dirt or dust on the imager.	Clean the imager as described in “Cleaning the Imager” on page 6-55.
Acquired images have random defects.	The ISO setting is too high.	Take the picture again with a lower ISO setting.
	You are using a SCSI cable longer than those supplied with the DCS 200 Camera.	Use only the supplied or specified cables.
The PC crashes when the camera is attached.	There is a SCSI ID conflict.	Reset the SCSI ID on the camera as described in “Setting the SCSI ID on the DCS 200 Camera” on page 4-3.

.

Trouble	Possible Cause	Suggested Solution
You clicked the Take Picture button, but no picture is recorded.	When the camera is connected to a PC, and the software driver window is opened, the camera will not go to sleep. This can exhaust the batteries in the camera back. (Perhaps you left the camera and computer on for an extended period of time while attending to other business.)	Recharge the batteries in the camera back, or replace the batteries in the camera back with charged batteries. We recommend that you operate the camera from the AC battery charger/adaptor when connected to a PC.
	The camera is off.	Turn on the camera.
	The camera is not awake.	Wake the camera and try again.
	The camera hard disk or external hard disk is full (the disk indicator is flashing).	Delete images from the hard disk, use an external disk drive if one has not been attached, or use a different external hard disk if the one that is attached is full.



Specifications

.....

KODAK Camera Back

- ▶ Five models are available: DCS 200ci (color, 50-image internal storage), DCS 200c (color, single-image storage), DCS 200mi (monochrome, 50-image internal storage), DCS 200m (monochrome, single-image storage), and DCS 200 IR (infrared, monochrome, 50-image internal storage).
- ▶ 1524 x 1012-pixel charge coupled device (CCD) full-frame imager, resulting in images composed of 1.5 megapixels of data
- ▶ Color imaging back with built-in color filter array (EI equivalent to ISO 50, 100, 200, 400), or monochrome imaging back (EI equivalent to ISO 100, 200, 400, 800)
- ▶ Optional 80 megabyte internal hard disk, stores 50 images
- ▶ Two megabyte dynamic random-access memory (DRAM) buffer
- ▶ Built-in, liquid crystal display (LCD) status display
- ▶ Two external controls:
 1. Set SCSI ID
 2. Delete last image on hard disk (if present)
- ▶ SCSI 25-pin, female, subminiature D connector with standard pin assignments for Macintosh II computer
- ▶ Remote power adapter/battery charger connector IEC 320, male connector
- ▶ Six AA-type rechargeable NiCad batteries
- ▶ Tripod mount
- ▶ Third-party, optional, external hard disk attaches to SCSI connector. A 120 megabyte model stores up to 75 images; an 80 megabyte model stores up to 50 images; a 40 megabyte model stores up to 22 images.

.....

Software for the KODAK Professional DCS 200 Digital Camera

- ▶ Drivers for use with image-editing software

Other

- ▶ Nikon Type B focusing screen modified for imager size
- ▶ Dimensions. Nikon N8008s camera body with KODAK camera back attached: 8.2 in. (20.8 cm) high x 6.7 in. (17.0 cm) wide x 4.5 in. (11.4 cm) deep. KODAK camera back contributes 3.9 in. (9.91 cm) to height.
- ▶ Weight: approximately 3.75 lbs. (1.70 kg). Includes KODAK camera back, Nikon N8008s camera body with supplied lens, batteries in camera back and camera.
- ▶ Operating temperatures: 40° to 130° F (4° to 54° C).
- ▶ Operating humidity: 8 to 85% relative humidity with maximum wet bulb 79° F (26° C), without condensation.



Index

Page numbers in italics indicate illustrations.

A

AC battery charger/adaptor 3-3 to 3-7, 3-4, 6-29, 6-29 to 6-30

Connecting to DCS 200 Camera 3-4 to 3-7, 3-6

Line voltage setting 3-5

Power cord to connect to wall outlet 3-4, 6-29

Ready light 3-6, 6-30

Troubleshooting problems when using
Battery chamber is warm or hot 6-47

No power 6-37

Red light not on 6-38

Using in conjunction with external hard disk 3-28

Warnings xvi, 3-3, 3-7

Proximity to water xi

Accessing the Kodak driver

Adobe Photoshop 4-36 to 4-39

Accessing images from an external hard disk 4-2, 4-32, 4-33, 4-36, 4-39

Aldus PhotoStyler 5-24 to 5-27

Accessing images from an external hard disk 5-2, 5-18, 5-19, 5-24, 5-26

Accessories 1-1 to 1-13

Acquire (button), Action option, image window dialog box

Adobe Photoshop driver 4-41, 4-47, 7-5, 7-13

Aldus PhotoStyler driver 5-32, 5-34, 8-4, 8-12

Acquire submenu, File menu of Adobe Photoshop 4-33, 4-37, 4-48, 4-49

KODAK DCS 200 (submenu option) 4-37, 4-48

Troubleshooting

Acquire is dimmed 7-39

KODAK DCS 200 does not appear on submenu 7-39

Acquiring image(s)

Adobe Photoshop driver 4-47 to 4-48, 7-2, 7-13

Applying lower gamma for less noise 7-24

Definition 7-3

Saving 4-47

Shortcut 4-47

Short cut when not in driver 4-48, 7-13

Aldus PhotoStyler driver 5-34 to 5-35, 8-2, 8-12

Applying lower gamma for less noise 8-21

Definition 8-3

Esc key to cancel acquiring 5-34

Saving 5-35

Shortcut 5-34

Time requirements 6-34 to 6-35

Action (button options), image window dialog box

Adobe Photoshop driver 4-41, 7-5, 7-13 to 7-24

Aldus PhotoStyler driver 8-4, 8-12 to 8-21

Actively terminated 4-21

Add All, Import and Export Setup dialog box, Aldus PhotoStyler driver 5-23

Adobe Photoshop

Accessing the Kodak driver. See

Accessing the Kodak driver, Adobe Photoshop

Calibrating gamma on computer monitor 4-35

Close, File menu 4-47

Creating monochrome images from color camera 4-48

Convert to gray scale 4-48

Green channel 4-48

Cropping image(s) 4-47

File menu 4-33, 4-37

Required version 1-4

Quitting 4-49

Adobe Photoshop driver 4-33 to 4-50, 7-1 to 7-44

Accessing 4-36 to 4-39

Acquiring images. See also Acquiring image(s), Adobe Photoshop 4-33 to 4-50

Center dialog box feature 4-42

Color balancing 4-45 to 4-46, 7-8 to 7-10

Commands in image window dialog box. See also Image window dialog box commands, Adobe Photoshop driver 7-4, 7-4 to 7-24

Commands in image window dialog box, shortcut for choosing 8-6

Control Panel. See also Control Panel 4-40, 4-40, 7-15 to 24, 7-16

Copying image(s) 7-2, 7-14

Cursor location 4-44

Deleting image(s) 7-2, 7-14 to 7-15

Disk save ON (check box) 4-51

Features 4-49 to 4-50, 7-2

File format for image archives 7-3

Image window 4-38, 4-41, 7-5

Installing on Macintosh computer 4-33 to 4-35

Messages 7-25 to 7-38

Moving image(s) 7-2, 7-14

Rapid viewing of images 4-49

Reference 7-1 to 7-44

Required and optional computer hardware and software 1-3

Selecting image(s) 7-2

Taking pictures while camera is connected to a computer 4-51, 7-15

Thumbnail image(s). See Image window features and Thumbnail image(s)

Troubleshooting 7-39 to 7-44

Unable to open 7-41

Updating camera firmware while in driver. See also Update Camera Firmware (button) 4-39 to 4-40, 7-16 to 7-18

Updating the driver A-1 to A-16

Viewing images 4-41 to 4-44

Aldus PhotoStyler

Accessing the Kodak driver 5-24 to 5-27

Creating monochrome images from color camera 5-35 to 5-36

Convert to gray scale 5-35

Green channel 5-36

Cropping image(s) 5-35
 Editing an image 5-35
 File menu 5-25
 Open 5-25
 Quitting 5-36
 Required version 1-7
Aldus PhotoStyler driver 5-19 to 5-37, 8-1 to 8-34
 Accessing 5-24 to 5-27
 Acquiring image(s). *See also* Acquiring image(s), Aldus PhotoStyler 5-19 to 5-36
 Add All (button), Import and Export Setup dialog box 5-2, 5-23
 Color balancing 5-33 to 5-34, 8-7 to 8-9
 Commands in image window dialog box. *See also* Image window dialog box commands, Aldus PhotoStyler 8-4, 8-4 to 8-21
 Control Panel. *See also* Control Panel 5-28, 5-28, 8-4, 8-14 to 8-21
 Copying image(s) 8-2, 8-12 to 8-13
 Cursor location 5-32
 Deleting image(s) 8-2, 8-13
 Esc key to cancel acquiring 5-34
 Exit 5-20
 Features 5-37, 8-2
 File format for image archive files 8-3
 File menu 5-20
 Image window 5-26, 5-29, 8-6
 Import and Export Setup dialog box 5-22
 Installing on a PC 5-19 to 5-24
 .KC2 filename extension 8-3, 8-13
 .KC3 filename extension 8-3, 8-13
 Messages 8-22 to 8-31
 Moving image(s) 8-2, 8-13
 Notepad application 5-20
 PhotoStyler Setup dialog box 5-21
 PhotoStyler Setup opening screen 5-21
 PSSETUP.EXE. 5-21
 README.TXT file 5-20
 Reference 8-1 to 8-34
 Required and optional computer hardware and software 1-6

Selecting image(s) 5-31, 8-2, 8-10
 Setup Source Directory 5-21
 Shortcut for choosing a command 8-6
 Taking pictures while camera is connected to a computer 5-38, 8-14
 Target (PhotoStyler) Directory 5-21
 Thumbnail image(s). *See* Image window features and Thumbnail image(s)
 Troubleshooting 8-32 to 8-34
 Unable to open from Import submenu 8-32
 Updating camera firmware while in driver. *See also* Update Camera Firmware (button) 5-27 to 5-28, 8-15 to 8-16
 Updating the driver A-1 to A-17
 Viewing image(s) 5-29 to 5-32
Aldus PhotoStyler icon 5-25
Alkaline batteries. *See* Batteries, Alkaline
All Images (button), Select option in the image window dialog box
 Adobe Photoshop driver 4-41, 7-5, 7-11, 7-12
 Aldus PhotoStyler driver 5-29, 8-4, 8-11
Aperture, indicator on Nikon N8008s camera LED 3-15
Aperture, Information box item 6-2
 Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7
 Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6
AppleLink A-2, A-12 to A-15
Apple System software 1-4
 System 7.0 1-4
 System 7.0.1 1-4
 System 7.1 1-4
 System Tuner version 1.1.1 1-4
 V 6.0.7 or later 1-4
Archive files. *See* Image archive files
AT-style bus, Future Domain SCSI host adapter 1-7, 5-7, 5-8
Attachments
 Hazardous potential xi

B

Balance (popup menu), option in image window dialog box. *See also* Color balance

Adobe Photoshop driver 4-45, 7-5, 7-8 to 7-10
 Click 4-46, 7-9
 DAY 4-46, 7-9
 FLASH 4-46, 7-9
 FLUOR 4-46, 7-9
 None 4-46, 7-10
 TUNG 4-46, 7-9
 TungBG40 4-46, 7-9
 Aldus PhotoStyler driver 5-32, 8-4, 8-7 to 8-9
 Click 5-34, 8-8
 DAY 5-33, 8-8
 FLASH 5-33, 8-8
 FLUOR 5-33, 8-8
 None 5-34, 8-9
 TUNG 5-33, 8-8
 TungBG40 5-33, 8-8

Batteries 1-11 to 1-12, 3-8 to 3-9, 6-25 to 6-28

Alkaline 1-12, 3-8, 6-28
 Warning 6-27, 6-50
 Charging. *See also* AC battery charger/adaptor 1-11 to 1-12, 3-3 to 3-7, 6-30
 For indoor use 3-7
 For stand-alone use 3-7
 Time required for charging 1-13, 6-30
 Conserving battery power 3-15
 Important notes 3-8 to 3-9
 KODAK camera back 1-11, 2-6, 6-25 to 6-27
 Battery life 6-25
 Changing 6-48 to 6-50
 Low battery 3-17, 6-5
 Recommended brand 1-11
 Status of battery charge (LCD indicator) 3-17, 6-5
 Warning 6-27, 6-50

Batteries (continued)

- NiCad 1-11 to 1-13, 6-25 to 6-27
 - Battery discharger warning 6-26
 - Capacity 6-26
 - Cell reversal 6-27
 - Characteristics 6-25 to 6-27
 - Discharge and charge 6-26 to 6-27
 - Memory 6-25
 - Voltage depression 6-25, 6-27

Nikon N8008s camera 1-11 to 1-12, 3-8, 6-28

Changing 6-51 to 6-54

Troubleshooting problems when using

- Fresh camera batteries exhaust quickly while DCS 200 Camera is connected to a Macintosh computer 7-43

Fresh camera batteries exhaust quickly while DCS 200 Camera is connected to a PC 8-34

No power 6-36 to 6-37

Warnings xiv to xv, 3-3, 3-7, 6-27, 6-50

Battery charger, recommended manufacturers 1-13

- Eveready 1-13
- Panasonic 1-13

Battery holder

- KODAK camera back 6-49
 - Battery holder door 6-48
- Nikon N8008s camera 6-53

Battery indicator, KODAK camera back LCD 3-16, 3-17, 6-5

Belt for attaching external hard disk to KODAK camera back 3-26

- Assembly 3-29
- Attaching to camera back 3-26 to 3-31
- Use without extender pad 3-31

Blank images

- Adobe Photoshop driver 7-21, 7-21
- Aldus PhotoStyler driver 8-19, 8-19

Bristol Case Company 1-10

Bulb mode, Nikon N8008s camera 3-38

Bulb setting, Nikon N8008s camera 3-38

C

C, as part of image number

- Adobe Photoshop driver 4-41, 4-42, 7-5, 7-6
- Aldus PhotoStyler driver 5-29, 5-30, 8-4, 8-5

Cables. See SCSI cables

Calibrating gamma for a Macintosh computer monitor 4-35

Camera. See also DCS 200 Camera and Nikon N8008s camera

Camera, Source popup menu option, image window dialog box

- Adobe Photoshop driver 7-7 to 7-8
- Aldus PhotoStyler driver 8-7

Camera aperture. See Aperture

Camera Date, Control Panel item

- Adobe Photoshop driver 4-40, 7-16, 7-19
- Aldus PhotoStyler driver 5-28, 8-14, 8-15, 8-17

Camera serial number, information box item

- Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7
- Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6

Camera settings. See also Information box 6-2

Camera Time, Control Panel item

- Adobe Photoshop driver 4-40, 7-16, 7-19
- Aldus PhotoStyler driver 5-28, 8-14, 8-17

CANCEL (button), Action option, image window dialog box

- Adobe Photoshop driver 4-41, 7-5
- Aldus PhotoStyler driver 5-29, 8-4

Cancel (button), Control Panel option

- Adobe Photoshop driver 7-16, 7-24
- Aldus PhotoStyler driver 8-14, 8-21

CCD (charge coupled device) 2-4, 6-2

CCD imager 6-2

- Compared to 35 mm film 6-2

Cell reversal in NiCad batteries 6-27

Center dialog box feature, Macintosh computer 4-42

Center-weighted metering 3-12, 3-38

CF (color filter mode) 4-6, 5-5, 6-15

Change File (button), image window dialog box

- Adobe Photoshop driver 4-41, 7-5, 7-8
- Aldus PhotoStyler driver 5-29, 8-4, 8-7

Charge coupled device (CCD) 2-4, 6-2

Choosing a command, shortcut in Aldus PhotoStyler driver 8-6

Cleaning materials 6-57 to 6-58

Cleaning the DCS 200 Camera xi

Click, Balance option, image window dialog box

- Adobe Photoshop driver 4-46, 7-9
- Aldus PhotoStyler driver 5-34, 8-8 to 8-9

CMKY Separation Gamma (check box), Control Panel option

- Adobe Photoshop driver 4-40, 7-16, 7-24
- Aldus PhotoStyler driver 5-28, 8-14, 8-21

Color balance (popup menu), image window dialog box. See also Balance

- Adobe Photoshop driver 4-45 to 4-46, 7-8 to 7-10
- Aldus PhotoStyler driver 5-33 to 5-34, 8-7 to 8-9

Selecting Click as preferred choice 8-8

Color Correct (check box), image window dialog box

- Adobe Photoshop driver 4-41, 4-48, 7-5, 7-10 to 7-11
- Aldus PhotoStyler driver 5-32, 5-35, 8-4, 8-9

Color correction. See also Color balance

- Adobe Photoshop driver 7-10 to 7-11
- Aldus PhotoStyler driver 8-9

Color filter mode (CF) 4-6, 5-5, 6-15

Color Filter Wheel Accessory Capture Mode (radio button), Control Panel option, Adobe Photoshop driver 4-40, 7-16, 7-24

• • • • •

Color Thumbnails (check box), Control Panel option

Adobe Photoshop driver 4-40, 7-16, 7-23
Aldus PhotoStyler driver 5-28, 8-7, 8-14, 8-15, 8-21

Color-correcting algorithm

Adobe Photoshop driver 4-47
Aldus PhotoStyler driver 5-35

Commands for drivers. See Image window dialog box commands

CompuServe A-2, A-3 to A-8

Connecting a QB2 External Battery Adapter to the DCS 200 Camera B-1 to B-4

Connecting an AC battery charger/adapter to the DCS 200 Camera 3-4 to 3-7, 3-6

Connecting an external hard disk to the DCS 200 Camera 3-28 to 3-33, 6-17

Connecting an optional external hard disk to a computer

Macintosh 4-32
PC 5-18

Connecting the DCS 200 Camera to a computer xiii

Configuration options 6-18 to 6-23
Caution 6-17
Macintosh 4-9 to 4-31
PC 5-10 to 5-17

Connecting the KODAK camera back to the Nikon N8008s camera 6-54, 6-64 to 6-65

Control buttons, KODAK camera back 6-10 to 6-15

Control Panel (dialog box)

Adobe Photoshop driver 4-40, 4-40, 7-15 to 7-24, 7-16
Shortcut for access 7-15
Aldus PhotoStyler driver 5-28, 5-28, 8-14, 8-14 to 21
Shortcut for access 8-14

Control Panel... (button), Action option, image window dialog box

Adobe Photoshop driver 4-38, 4-40, 7-15 to 24, 7-16
Aldus PhotoStyler driver 5-26, 5-28, 8-4, 8-14-21

Control Panel options

Adobe Photoshop driver 7-16, 7-16 to 7-24
Camera Date 7-18
Camera Time 7-18
CANCEL (button) 7-24
CMKY Separation Gamma (check box) 7-24
Color Filter Wheel Accessory Capture Mode (radio buttons) 7-24
Color Thumbnails (check box) 7-23
Default to Thumbnails (check box) 7-22
Disk Save ON (check box) 7-23
Do Self Test (button) 7-18
Driver Version 7-18
Erase Disk (button) 7-19
Firmware Version 7-18
Format Disk (button) 7-19 to 7-20
OK (button) 7-24
Recover Disk (button) 7-20 to 7-23
Set Clock (button) 7-18 to 7-19
Update Camera Firmware (button) 7-16 to 7-18

Aldus PhotoStyler driver 8-14, 8-14 to 8-21

Camera Date 8-17
Camera Time 8-17
CANCEL (button) 8-21
CMKY Separation Gamma (check box) 8-21
Color Thumbnails (check box) 8-21
Disk Save ON (check box) 8-21
Do Self Test (button) 8-16
Driver Version 8-16
Erase Disk (button) 8-17
Firmware Version 8-16
Format Disk (button) 8-17 to 8-18
OK (button) 8-21
Recover Disk (button) 8-18 to 8-21
Set Clock (button) 8-16 to 8-17
Update Camera Firmware (button) 8-15 to 8-16

Convert to gray scale.

Adobe Photoshop 4-48
Aldus PhotoStyler 5-35

Copy to File... (button), Action choice, image window dialog box

Adobe Photoshop driver 4-41, 7-3, 7-5, 7-14
Aldus PhotoStyler driver 5-29, 8-3, 8-4, 8-12 to 13

Copying image(s)

Adobe Photoshop driver 7-2, 7-3, 7-14
Aldus PhotoStyler driver 8-2, 8-12 to 8-13

Cropping image(s)

Adobe Photoshop 4-47
Aldus PhotoStyler 5-35

Cursor location

Adobe Photoshop driver image window
Red, green, and blue values 4-44
X & Y pixel location 4-44
Aldus PhotoStyler driver image window
X & Y pixel location 5-32
Red, green & blue values 5-32

D

Date, information box

Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7
Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6

DAY, Balance popup menu option, image window dialog box

Adobe Photoshop driver 4-46, 7-8
Aldus PhotoStyler driver 5-33, 8-8

Daylight lighting conditions. See Balance and Color balance

DCS 200 Camera

Compatible computers
Macintosh 1-3
PC 1-6
Connecting a KODAK Professional DCS 200 External Battery Adapter B-1 to B-4

DCS 200 Camera (continued)

- Connecting a QB2 external battery adapter B-1 to B-4
- Connecting an AC battery charger/adapter 3-4 to 3-7, 3-6
- Connecting an external hard disk 3-28 to 3-33, 6-17
 - Removing an external hard disk 3-35, 4-2, 5-2
- Connecting to a computer xiii
 - Macintosh computer 4-9 to 4-31
 - PC 5-10 to 5-17
- Connection configuration options 6-18 to 6-23
- Firmware. *See* Firmware
- Firmware version number. *See* Firmware version (number)
- Models available 1-2
 - DCS 200c 1-2
 - DCS 200ci 1-2
 - DCS 200IR (Infrared) 1-2
 - DCS 200m 1-2
 - DCS 200mi 1-2
- Operating conditions xiii
 - Humidity 9-3
 - Temperature 9-3
- Preparing for use 3-3 to 3-7
- Troubleshooting 6-36 to 6-47
 - Erratic behavior in Adobe Photoshop driver 7-41
 - Erratic behavior in Aldus PhotoStyler driver 8-33
 - Freezes when connected to PowerBook 7-40
 - Stays on after being turned off 6-46
 - Stuck in one mode 6-46
 - Unexpectedly goes to sleep 7-42
- Using with AC battery charger/adapter 6-29 to 6-30
- Using with external hard disk. *See also* external hard disk 3-25 to 3-35, 6-21 to 6-22
 - Caution 6-22
 - On/off state 6-33
- Using with internal hard disk. *See also* Internal hard disk 3-10 to 3-24, 6-21
 - On/off state 6-31, 6-33

- Using with no hard disk 3-36, 6-22 to 6-23
 - Accessing image(s) in Adobe Photoshop driver 4-39
 - Accessing image(s) in Aldus PhotoStyler driver 5-27
 - Image numbering 6-7
 - On/off state 6-32, 6-33
 - Updating camera firmware in Adobe Photoshop driver 7-17
 - Updating camera firmware in Aldus PhotoStyler driver 8-16

DCS 200 Control Panel, Aldus PhotoStyler driver window 8-14

DCS 200 Preferences, Adobe Photoshop driver 4-387-4

DCS 200c, specifications 9-2

DCS 200ci, specifications 9-2

DCS 200IR (Infrared) C-1 to C-2

- Exposure compensation values C-2
- Features C-1
- Filters C-2
- ISO C-2
- Lighting conditions C-2
- Specifications 9-2

DCS 200m, specifications 9-2

DCS 200mi, specifications 9-2

DCS200.HEX

- Adobe Photoshop driver 7-16
- Aldus PhotoStyler driver 8-15

DCS200.HEX icon, Adobe Photoshop driver 4-35

Debugging the DCS 200 Camera 6-3

- Adobe Photoshop driver 7-18
- Aldus PhotoStyler driver 8-16

Default to Thumbnails (check box), Control Panel option, Adobe Photoshop driver 7-16, 7-23

DEL, KODAK camera back LCD 6-5, 6-11 to 6-13, 6-12

Delete ... (button), Action option, image window dialog box 6-13, 6-21

- Adobe Photoshop driver 4-41, 4-51, 7-14, 7-20
- Aldus PhotoStyler driver 5-38, 8-4, 8-13, 8-18
- Troubleshooting — Button is unexpectedly dimmed 7-44

Delete button, KODAK camera back 3-23, 3-24, 3-34, 4-51, 5-38, 6-10, 6-11 to 6-13, 6-12, 6-21, 6-32, 7-20

- When there is no hard disk 6-23

Delete indicator. *See* DEL, KODAK camera back LCD

Delete last image 2-5

Delete mode 3-23, 3-24, 6-11

Deleting image(s) 3-22 to 3-24, 6-11 to 6-13, 7-14 to 7-15, 8-13

- Adobe Photoshop driver 7-2, 7-14 to 7-15

- Aldus PhotoStyler driver 8-2, 8-13

- DCS 200 Camera with no hard disk 6-23

- Effect on image numbering 6-6 to 6-7

- External hard disk 3-33 to 3-34, 6-11, 6-22

- Internal hard disk 3-22 to 3-24, 6-22

- Multiples, simultaneously 6-13

- Selected images 6-13

Dialog box. *See* Image window dialog box

Discarding color information, Aldus PhotoStyler driver 5-35

Disk error indicator, KODAK camera back LCD 6-9

Disk indicator, KODAK camera back LCD 6-5, 6-8 to 6-9, 6-12

- Stages of fullness 6-8

Disk Save ON (check box), Control Panel option

- Adobe Photoshop driver 4-40, 4-51, 7-16, 7-23

- Aldus PhotoStyler driver 5-28, 5-38, 8-14, 8-15, 8-21

Diskette

- KODAK Driver for ADOBE PHOTOSHOP Software for use 4-33 to 4-35

- KODAK Driver for ALDUS PHOTOSTYLER Software for use 5-20

- Locking/write protecting

- For Macintosh computer 4-34, 4-34

- For PC 5-20, 5-20

Do Self Test (button), Control Panel option

Adobe Photoshop driver 4-40, 7-16, 7-18
Aldus PhotoStyler driver 8-14, 8-15, 8-16

Done (button), Information box option

Adobe Photoshop driver 4-43, 7-7,
Aldus PhotoStyler driver 5-31, 8-6

DRAM 3-20, 3-36, 6-2, 6-7, 6-22, 6-24, 6-32 to 6-33

Error 6-9, 6-9
Specifications 9-2
Timing requirements for taking pictures 6-34 to 6-35

Driver. See also Adobe Photoshop driver and Aldus PhotoStyler driver

Developing 1-1
Updating
 Downloading electronically A-1 to A-15
 Installing update A-15 to A-17
 Obtaining from Kodak on diskette A-15

Driver version, Control Panel item

Adobe Photoshop driver 7-16, 7-18
Aldus PhotoStyler driver 8-14, 8-15, 8-16

Dual Program 3-13

Duplicate image numbers 6-7

Dynamic random access memory. See DRAM

E

E, disk error indicator on KODAK camera back LCD 6-9

Reformat disk
 Adobe Photoshop driver 7-20
 Aldus PhotoStyler driver 8-18
Troubleshooting — E on LCD 6-426-42

Editing image(s)

Adobe Photoshop driver 4-2, 4-37
Aldus PhotoStyler driver 5-1, 5-35

Electromagnetic emissions xvii, xvii to xx

Electrostatic discharge wrist strap 6-58

Attaching to KODAK camera back 6-61 to 6-62

Environmental conditions for operation xiii

Humidity 9-3
Temperature 9-3
Troubleshooting 6-39

Equipment, ordering OE&SP-1 to OE&SP-4

Erase Disk (button), Control Panel option

Adobe Photoshop driver 7-16, 7-19, 7-20
Aldus PhotoStyler driver 8-14, 8-15, 8-17, 8-18

Esc key, to cancel acquiring in Aldus PhotoStyler driver 5-34

Exit, File menu, Aldus PhotoStyler 5-20, 5-36

Exit Windows, Aldus PhotoStyler 5-36

Exposure indexes 2-4

Exposure setting, choosing 3-19

Exposure-mode button 3-13

Exposure-mode setting 3-13

Lens aperture 3-13
Manual 3-38

Exposures, long 3-38

EXT Disk, Source popup menu option, image window dialog box

Adobe Photoshop driver 7-8
Aldus PhotoStyler driver 8-7

Extender pad 3-28, 3-29

External Battery Adapter. See KODAK Professional DCS 200 External Battery Adapter

External Drive Power Supply and Terminator Accessory

Macintosh 1-4
PC 1-7

External hard disk. See also tabbed section "Using an external hard disk" 3-25 to 3-35, 5-24, 6-21 to 6-22, 7-5, 8-5

Accessing image(s). See Accessing the Kodak driver

Connecting external hard disk to a computer 6-21

Caution 6-22
Macintosh 4-32
PC 5-18

Connecting external hard disk to DCS 200 Camera 3-28 to 3-33, 6-17

Attaching the velcro strap holder 3-25 to 3-27

Deleting an image 3-336-11, 6-22

80 megabyte (MB) hard disk 6-6

Erasing

Adobe Photoshop driver 7-16, 7-19, 7-20
Aldus PhotoStyler driver 8-14, 8-15, 8-17, 8-18

Error (indicator on KODAK camera back LCD) 6-9, 6-9

Formatting

Adobe Photoshop driver 7-19 to 7-20
Aldus PhotoStyler driver 8-17 to 8-18

40 megabyte (MB) hard disk 6-6

Preserving files from other applications 3-25

Recovering image(s)

Adobe Photoshop driver 7-20 to 7-23
Aldus PhotoStyler driver 8-18 to 8-21

Removing external hard disk from DCS 200 Camera 3-35, 4-2, 5-2

Saving images 6-22

Adobe Photoshop driver 7-23
Aldus PhotoStyler driver 8-21

SCSI settings 3-25, 6-15

Storage capacity 6-6

Use with AC battery charger/adapter 3-28

Using the DCS 200 Camera with an external hard disk 3-25 to 3-35, 6-21 to 6-22

Caution 6-22

External SCSI devices 4-10

External SCSI terminator 4-24, 4-25

F

Fastest acquiring time, Aldus PhotoStyler driver 5-19, 5-25

File, Source popup menu option, image window dialog box

Adobe Photoshop driver 7-8
Aldus PhotoStyler driver 8-7

File Manager, Microsoft Windows 5-20
 File menu, Adobe Photoshop 4-33
 Quit 4-49
 File menu, Aldus PhotoStyler 5-25, 5-36, 8-4
 Filename extension 8-3
 Film speed equivalents 2-4
 Film-advance mode button, Nikon N8008s camera 3-11
 Film-advance mode, Nikon N8008s camera 3-11, 3-37
 Film-speed button, Nikon N8008s camera 3-18
 Filter. *See* Schott BG-40 1mm filter
 Finder accessories 1-10
 Firmware in DCS 200 Camera 4-35. *See also* Update Camera Firmware (button)
 Definition 5-27, 7-6
 Updating. *See also* Update Camera Firmware 6-3
 Adobe Photoshop driver 4-39 to 4-40, 7-16 to 7-18
 Aldus PhotoStyler driver 5-27 to 5-28, 8-15 to 8-16
 When using the KODAK Color Filter Wheel Accessory with Adobe Photoshop 7-18
 Firmware version (number)
 Control Panel item
 Adobe Photoshop driver 4-40, 7-16, 7-18
 Aldus PhotoStyler driver 5-28, 8-14, 8-15
 Information box
 Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6, 8-16
 Adobe Photoshop driver 4-42, 7-6, 7-7
 FLASH, Balance popup menu option, image window dialog box
 Adobe Photoshop driver 4-46, 7-9
 Aldus PhotoStyler driver 5-33, 8-8
 Flash lighting conditions. *See* Balance and Color balance
 Flash use, DCS 200 Camera 3-19
 FLUOR, Balance popup menu option, image window dialog box
 Adobe Photoshop driver 4-46, 7-9
 Aldus PhotoStyler driver 5-33, 8-8

Fluorescent lighting conditions. *See* Balance and Color balance
 Focal length 3-39
 Focus mode selection 3-14
 Focusing screen, modified 3-20, 3-38
 Custom 1-10
 Format Disk. *See* External hard disk and Internal hard disk
 Format Disk (button), Control Panel option
 Adobe Photoshop driver 4-40, 7-16, 7-19
 Aldus PhotoStyler driver 5-28, 8-14, 8-15, 8-17
 Frame counter, KODAK camera back 3-16, 3-20, 3-20, 3-24, 3-38, 6-5, 6-6, 6-6 to 6-7, 6-12
 Future Domain adapters 1-7
 Future Domain No. MCS-700 5-8
 Future Domain No. TMC-1660 5-8
 Future Domain SCSI host adapter 5-3, 5-7
 Jumper 5-8
G
 Gamma calibration, adjusting on Macintosh computer monitor 4-35
 Gender changer. *See* SCSI gender changer
 Gray Scale
 Adobe Photoshop 4-48
 Aldus PhotoStyler 5-35
 Green channel
 Adobe Photoshop 4-48
 Aldus PhotoStyler 5-36
 Green plane
 Adobe Photoshop 4-48
 Grounding xii
H
 Hard disk. *See also* External hard disk and Internal hard disk 6-2, 6-6 to 6-7, 6-9, 6-22
 Erasing 6-7
 Saving images 6-22
 Spin-up 3-21
 Losing images, troubleshooting 6-43
 Wait for shooting 3-21, 3-37, 6-9

Hardware, required
 Macintosh 1-3
 PC 1-6
 HDI-30-pin to 25-pin SCSI adapter cable for Macintosh PowerBook 4-16, 4-16
 HDI-30-pin to 50-pin SCSI adapter cable for Macintosh PowerBook 4-18, 4-18 to 4-20, 4-20
I
 IBM PC computer. *See also* PC
 80286 1-6
 80386 1-6
 80386sx 1-6
 80486 1-6
 80486sx 1-6
 Icon
 Aldus PhotoStyler icon 5-25
 DCS200.HEX 4-35
 KODAK DCS 200 4-35
 SCSI connector on Macintosh computer 4-9
 Image(s)
 Acquiring. *See* Acquiring image(s)
 Blank
 Adobe Photoshop 7-21
 Aldus PhotoStyler 8-19
 Copying. *See* Copying image(s)
 Cropping. *See* Cropping image(s)
 Deleting. *See* Deleting image(s)
 Editing. *See* Editing image(s)
 Monochrome image(s), creating from a color camera
 Adobe Photoshop 4-48
 Aldus PhotoStyler 5-35 to 5-36
 Problems
 Small imperfections 3-38
 Too light or too dark in Adobe Photoshop 4-35
 Saving. *See* Saving image(s)
 Text box description in Information Box
 Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7, 7-13
 Aldus PhotoStyler driver 5-30, 5-31, 8-6, 8-6
 Time required to display and acquire on a computer 6-34

.

- Troubleshooting, Adobe Photoshop driver
 - Acquired images have consistent defect 7-41
 - Acquired images have magenta spot in center 7-41
 - Acquired images have random defects 7-41
 - Saturated colors bad 7-41
 - Too dark or too light 7-41
- Troubleshooting, Aldus PhotoStyler driver
 - Acquired images have consistent defect 8-33
 - Acquired images have random defects 8-33
- Viewing. *See* Viewing image(s)
- Image archive files**
 - Adobe Photoshop driver 7-3, 7-5, 7-14
 - Closing and opening 7-8
 - File format 7-3
 - Aldus PhotoStyler driver 8-3, 8-5, 8-12, 8-13
 - Closing and opening 8-7
 - File format 8-3
- Image information.** *See* Information box
- Image menu, Aldus PhotoStyler 5-35, 5-36**
- Image number**
 - On KODAK camera back LCD 3-16, 3-20, 3-24, 3-38, 6-5, 6-6 to 6-7
 - On software driver image window, single image preview
 - Adobe Photoshop driver 4-44, 4-44
 - Aldus PhotoStyler driver 5-32, 5-32
 - On software driver image window, thumbnail images
 - Adobe Photoshop driver 4-41, 4-42, 7-5
 - Aldus PhotoStyler driver 5-29, 5-30, 8-4
 - On software driver Information box
 - Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7
 - Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6
- Image numbering system, KODAK camera back LCD 3-24, 6-6 to 6-7**
 - When no hard disk is used 6-7
- Image window**
 - Adobe Photoshop driver 4-38, 4-41, 4-41 to 4-44, 7-5
 - Label with file name 7-6
 - Aldus PhotoStyler driver 5-29, 5-29 to 5-32, 8-4, 8-5
 - Label with file name 8-5
- Image window dialog box commands**
 - Adobe Photoshop driver 4-38, 4-41, 7-5, 7-4 to 7-24
 - Acquire (button) 4-47, 7-13
 - Action (button options) 7-13 to 7-24
 - All images (button) 7-11, 7-12
 - Balance (popup menu) 4-45 to 4-46, 7-8 to 7-10
 - Cancel (button) 4-41, 7-5
 - Change file (button) 7-8
 - Color correct (check box) 4-48, 7-10
 - Control panel . . . (button) 4-40, 7-15 to 7-24
 - Copy to file . . . (button) 7-3, 7-14
 - Delete . . . (button) 7-14, 7-20
 - Last image (button) 7-12
 - Move to file . . . (button) 7-3, 7-14
 - None (button) 7-12
 - Preview (check box) 4-44, 7-11
 - Select (button options) 7-11 to 7-12
 - Source (popup menu) 7-7 to 7-8
 - Take picture (button) 7-15
 - Aldus PhotoStyler driver 5-26, 5-29, 5-32, 8-4, 8-4 to 8-21
 - Acquire (button) 8-12
 - Action (button options) 8-12 to 8-21
 - All images (button) 8-11
 - Balance (popup menu) 5-33, 8-7 to 8-9
 - Cancel (button) 5-29, 8-4
 - Change File . . . (button) 8-7
 - Color Correct (check box) 5-35, 8-9
 - Control panel . . . (button) 5-28, 8-14
 - Copy to file . . . (button) 8-12 to 8-13
 - Delete . . . (button) 8-13, 8-18
 - Last image (button) 8-11
 - Move to file . . . (button) 8-13
 - None (button) 8-11
 - Preview (check box) 5-26, 5-32, 8-10
 - Select (button options) 8-10
 - Source (popup menu) 8-7
 - Take picture . . . (button) 8-14
- Image window features**
 - Adobe Photoshop driver
 - Thumbnail image(s). *See also* Thumbnail images 4-41, 4-41 to 4-43, 7-5 to 7-7, 7-11
 - C, color image indicator 4-41, 4-42, 7-5, 7-6
 - Info box 4-41, 4-38, 4-42, 7-3, 7-5, 7-13
 - Information box 4-42, 4-43, 7-6, 7-7
 - Three-digit image number. *See also* Image number 4-41, 4-42, 7-5, 7-6
 - Aldus PhotoStyler driver
 - Thumbnail image(s). *See also* Thumbnail images 5-29, 5-29 to 5-31, 8-4, 8-5 to 8-7, 8-10
 - C, color image indicator 5-29, 5-30, 8-4, 8-5
 - Info box 5-29, 5-30, 8-3, 8-4, 8-5
 - Information box 5-30, 5-31, 8-6, 8-6
 - Three-digit image number. *See also* Image number 5-29, 5-30, 8-4, 8-5
- Imager 2-4, 3-37, 6-2 to 6-3**
 - Cleaning 6-55 to 6-65
 - Determining if dirty 6-55 to 6-57
 - Specifications 9-2
- Imager chip 6-2**
- Import and Export Setup dialog box, Aldus PhotoStyler driver 5-22**

Import submenu, PhotoStyler File menu 5-19, 5-25, 8-24

Troubleshooting — KODAK DCS 200 does not appear as choice 8-32

Info box, image window

Adobe Photoshop driver 4-41, 4-38, 4-42, 7-3, 7-5, 7-13

Aldus PhotoStyler driver 5-29, 5-30, 8-3, 8-4, 8-5

Information box

Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7

Moving from center of screen 7-7

Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6

Infrared camera. See also DCS 200IR

Using C-1

Infrared filters

Other information sources C-2

Infrared photography

Other information sources C-2

Installing the Kodak driver

Adobe Photoshop 4-33 to 4-35

Aldus PhotoStyler 5-19 to 5-24

Internal hard disk, KODAK camera back 2-5, 3-10 to 3-24, 6-21, 6-24, 7-7, 8-5

Deleting image(s) 2-5, 3-22 to 3-246-11, 6-6 to 6-7, 6-22

Erasing image(s)

Adobe Photoshop driver 7-16, 7-19, 7-20

Aldus PhotoStyler driver 8-14, 8-15, 8-17, 8-18

Error (indicator on KODAK camera back LCD) 6-9, 6-9

Formatting

Adobe Photoshop driver 7-19 to 7-20

Aldus PhotoStyler driver 8-17 to 8-18

Fullness indicator 3-21

Recovering blank image(s)

Adobe Photoshop driver 7-21

Aldus PhotoStyler driver 8-19

Recovering image(s)

Adobe Photoshop driver 7-20 to 7-23

Aldus PhotoStyler driver 8-19 to 8-21

Saving images 6-22

Specifications 9-2

Spin-up 3-21, 6-34

Storage capacity 6-6

Timing requirements for taking pictures 6-34 to 6-35

Troubleshooting problems when using

Delay in reading from or writing to 6-39

Images corrupted 6-42

Losing images 6-43

Using 3-10 to 3-24

ISO

Setting on Nikon N8008s camera 3-18 to 3-19, 3-37, 6-2, 6-8

For color camera back 3-18

For DCS 200IR camera C-1

For monochrome camera back 3-18

ISO, LCD display on KODAK camera back

Blinking/warning 3-19, 3-19, 6-5, 6-8

ISO (setting on DCS 200 Camera), Information box

Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7

Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6

ISO warning, KODAK camera back LCD 3-19, 3-19, 6-5, 6-8, 6-42

J

Jumper 5-8

Termination Power (jumper W1) 5-8

Termination Power (jumper W4) 5-8

K

.KD2 filename extension, Kodak Driver for Aldus PhotoStyler 8-3, 8-13

.KD3 filename extension, Kodak Driver for Aldus PhotoStyler 8-3, 8-13

KODAK 450GL Digital Color Printer 1-5, 1-8

KODAK camera back, 2-3 to 2-6, 2-4, 2-5, 6-2 to 6-3

Batteries. See Batteries, KODAK camera back

Battery holder door 6-48

Delete button 6-11 to 6-13

LCD graphics. See LCD, KODAK camera back

Reconnecting to the Nikon N8008s camera 6-54, 6-64 to 6-65

SCSI connector 3-28, 6-16, 6-16 to 6-17

SCSI ID button 4-5, 4-7, 5-4, 5-5, 6-10, 6-14, 6-14 to 6-15

Separating from the Nikon N8008s camera 6-51

Specifications 9-2

KODAK charge coupled device (CCD) imager. See Imager

KODAK Color Filter Wheel Accessory 1-9, 5-5, 7-15, 7-24

Disconnecting when updating camera firmware 7-18

Not recommended with DCS 200IR camera C-1

SCSI ID for Kodak DCS 200 camera when using 4-6, 6-15

KODAK ColorEase PS Printer 1-5, 1-8

KODAK DCS 200 (submenu option)

Adobe Photoshop File menu, Acquire submenu option 4-48, 7-4

Aldus PhotoStyler File menu, import submenu option 8-4

KODAK DCS 200 Driver, Aldus PhotoStyler driver menu option 5-22

KODAK DCS 200 icon, Adobe Photoshop driver 4-34, 4-35

KODAK Digital Camera System 200, Aldus PhotoStyler driver menu option 5-22

KODAK Driver for ADOBE PHOTOSHOP Software for use with KODAK Professional DCS 200 Digital Cameras (diskette) 4-33 to 4-35

Read Me file 4-35

Icon 4-34

KODAK Driver for ALDUS PHOTOSTYLER Software for use with KODAK Professional DCS 200 Digital Cameras (diskette) 5-19 to 5-24

README.TXT file 5-20

Kodak Information Center v
KODAK Professional DCS 200 Digital Camera. See **DCS 200 Camera and KODAK camera back**
KODAK Professional DCS 200 External Battery Adapter
 Connecting to the DCS 200 Camera B-1 to B-4
 Ordering information 1-9, B-1
KODAK XL 7700/XLT 7720 Digital Continuous Tone Printer 1-5, 1-8
KODAK XLS 8300 Digital Printer 1-5, 1-8

L

Last Image (button), Select choice

Adobe Photoshop driver 4-41, 7-5, 7-12
 Aldus PhotoStyler driver 5-29, 8-4, 8-11

LCD

KODAK camera back 2-5, 3-16, 5-4, 6-4, 6-4 to 6-15
 Battery indicator 3-16, 3-17, 6-5
 Camera-off graphics 6-4
 Delete mode indicator 3-23, 6-5, 6-11 to 6-13
 Disk indicator 3-21, 3-23, 6-5, 6-8 to 6-9
 Frame counter 3-16, 3-20, 3-20, 3-24, 3-38, 6-5, 6-6, 6-6 to 6-7, 6-12
 Full graphics 6-5
 ISO warning 3-19, 3-19, 6-5, 6-8, 6-42
 SCSI indicator 4-7, 5-4, 5-5, 6-14 to 6-15
 SCSI ID 4-7, 5-5
 Specifications 9-2
 Troubleshooting problems
 Disk indicator is suddenly full 6-44
 E is displayed 6-42
 Frame number unexpectedly starts at 1
 ISO is displayed 6-42
 SCSI is displayed 6-43

Unexpected characters - Adobe Photoshop driver 7-41
 Unexpected characters - Aldus PhotoStyler driver 8-33
 Unexpected flicker or characters 6-44 to 6-45

Nikon N8008s 3-10, 3-38
 Aperture indicator 3-15
 Exposure mode indicator 3-13
 Film advance mode 3-10
 ISO setting 3-18
 Meter mode indicator 3-12
 Shutter speed indicator 3-15
 Single frame shooting indicator 3-11
 Troubleshooting problems
 Blinking 6-38
 Data do not appear 6-38

Lens equivalents 3-39, 6-2

Lenses for Nikon N8008s camera 1-10, 3-38

Lighting conditions. See also, Balance and Color balance

Exposure compensation values when using DCS 200IR C-2

Lightning, cautions xii

Line voltage 3-5

Liquid crystal display. See LCD

M

Macintosh computer

Centris 610, connecting to DCS 200 Camera 4-11, 4-21 to 4-23
 Centris 650, connecting to DCS 200 Camera 4-11, 4-21 to 4-23
 Connecting an optional external hard disk 4-32
 Connecting to DCS 200 camera 4-9 to 4-31
 Camera is sole SCSI device 4-11 to 4-23
 Other SCSI devices are already connected 4-24 to 4-31
 E-Machines 7-7
 Hardware 1-3 to 1-5
 Display card 1-4
 External hard disk 1-4

Monitor 1-4
 Optional 1-4 to 1-5
 Printers 1-5
 Required features 1-3
 Macintosh II 1-3

Macintosh IIlx

Connecting to DCS 200 Camera 4-11, 4-13 to 4-15, 4-26
 Custom SCSI terminator 4-14, 4-14 to 4-15, 4-15
 Gender changer for SCSI connection 4-14, 4-14 to 4-15
 Required cable 1-3

Macintosh IIvi, connecting to DCS 200 Camera 4-11, 4-21 to 4-23

Macintosh IIvx, connecting to DCS 200 Camera 4-11, 4-21 to 4-23

Macintosh LC 1-3

Models released after publication of this manual, connecting to DCS 200 Camera 4-21 to 4-23

Performa 1-3

Connecting to DCS 200 Camera 4-11

Performa 600, connecting to DCS 200 Camera 4-21 to 4-23

Performa 600CD, connecting to DCS 200 Camera 4-21 to 4-23

PowerBook 1-3

Connecting to DCS 200 Camera 4-11, 4-16 to 20

HDI-30-pin to 25-pin Macintosh PowerBook SCSI adapter cable 4-16, 4-17

HDI-30-pin to 50-pin Macintosh PowerBook SCSI adapter cable 4-18, 4-18 to 4-20, 4-20

Monitor 1-4

Required cable 1-3

SCSI 25-pin terminators 4-16

SCSI gender changer 4-18

Troubleshooting

Camera freezes when connected 7-40

Shift-clicking does not work properly 7-44

Update Camera Firmware button 4-40

- PowerBook 100 1-3
 - Connecting to DCS 200 Camera 4-16
- Quadra 1-3
 - Quadra 800, connecting to DCS 200 Camera 4-11, 4-21 to 4-23
 - Quadra 900
 - Display and acquire times 6-34 to 6-35
- SCSI connector/port 4-9
- SCSI icon 4-9, 4-10
- SCSI ID number 4-3
 - Internal hard disk 4-3
- Software 1-3 to 1-5
 - Required 1-4
 - Systems software 1-4
- Special menu 4-49
 - Shut down 4-49
- SuperMac 7-7
- Troubleshooting
 - Computer crashes as DCS 200 Camera is disconnected 7-42
 - Computer crashes when connected to DCS 200 Camera 7-42, 7-43
- Using with the DCS 200 Camera 4-1 to 4-51

Maintenance of DCS 200 Camera 6-48 to 6-65

**Maracle Industrial Finishing Company,
Inc. 1-10**

Matrix metering 3-38

Memory in NiCad batteries 6-25

Messages

Adobe Photoshop driver 4-25 to 4-38
Aldus PhotoStyler 8-22 to 8-31

Meter mode 3-12

Metering system selection button 3-12

Micro-Channel bus, Future Domain SCSI host adapter 1-7, 5-7, 5-8

Microsoft Windows

- Directory Tree 5-20
- File Manager 5-20, 5-24
- File Menu 5-36
- Required version 1-7
- Standard Mode 5-19
 - WIN/S 5-19
- Version 3.0/3.1 5-19

Moisture xi

Monochrome image, creating from color camera

Adobe Photoshop 4-48
Aldus PhotoStyler 5-35 to 5-36
SCSI ID value setting 6-15

Move to File ... (button), Action option in image window dialog box

- Adobe Photoshop driver 4-41, 7-3, 7-5, 7-14
- Aldus PhotoStyler driver 5-29, 8-3, 8-4, 8-13
- Troubleshooting — Button is unexpectedly dimmed 7-44

Moving images

Adobe Photoshop driver	7-2, 7-14
Aldus PhotoStyler driver	8-2, 8-13

N

NiCad batteries. See Batteries, NiCad

Nickel cadmium batteries. See Batteries, NiCad

Nikon F-801s 1-11

Nikon N8008s camera, 2-3, 6-28

- Aperture display 3-15
- Automatic turn-off 3-15
- Batteries. *See* Batteries, Nikon N8008s camera
- Battery holder 6-53
- Bulb mode 3-38
- Bulb setting 3-38
- Exposure mode 3-13, 3-38
- Film advance 3-38
- Film installation mark 3-38
- Film-advance mode 3-11
- Film speed (button) 3-18
- Focus mode setting 3-14
- Focusing screen 3-20, 3-38
- Frame counter 3-38
- Installing new batteries 6-52 to 6-53
- Lenses 1-10, 3-2
- LCD. *See* LCD, Nikon N8008s camera
- Matrix metering 3-38
- Meter mode 3-12, 3-38
- Power switch 3-10, 5-3
- Reconnecting to the KODAK camera back 6-54, 6-64 to 6-65

- Rewind mark 3-38
- Separating from the KODAK camera back 6-51 to 6-52
- Shutter speed display 3-15
- Troubleshooting problems when using 6-38
- Turning on 3-10
- Unique operation as part of DCS 200 camera 3-37
- Using 3-37
- Waking 3-15
- Whirring noise 3-15, 3-38

Nikon remote control accessories 1-10

Non-terminated SCSI device 5-7

Non-volatile memory 6-3

None, Balance popup menu option

Adobe Photoshop driver	4-46, 7-10
Aldus PhotoStyler driver	5-34, 8-9

None (button), Select option in image window box

Adobe Photoshop driver 4-41, 7-5,
7-12

Aldus PhotoStyler driver 5-29, 8-4,
8-11

**Notepad application, Aldus PhotoStyler
driver 5-20**

0

OK (button), Control Panel option

Adobe Photoshop driver 7-16, 7-24
Aldus PhotoStyler driver 8-14, 8-15,
8-21

**Open, File menu, Aldus Photo-
Styler 5-25**

**Optional equipment for use with the DCS
200 Camera 1-9 to 1-10**

Ordering equipment from other vendors OE&SP-3 to OE&SP-4
Ordering Kodak equipment from your dealer OE&SP-1 to OE&SP-2

P

Packaging the DCS 200 Camera x

P Dual 3-13

PC. See also IBM PC computer

Connecting to the DCS 200 Camera 5-10 to 5-17

Connecting an optional external hard disk 5-18

Hardware 1-6 to 1-8

- Display card 1-6
- External hard disk 1-7
- Monitor 1-6
- Optional 1-7 to 1-8
- Printers 1-8
- Required 1-6 to 1-7
- SCSI interface 1-7

Software 1-6 to 1-8

- Applications software 1-7
- Systems software 1-7

Troubleshooting

- Computer crashes when camera is attached 8-33

Using with the DCS 200 Camera 5-1 to 5-38

PC file, Source setting for Kodak driver for Aldus PhotoStyler driver 8-7

Pelican Pro Case 1550 1-10

Photoshop Mode menu 4-48

Photoshop PS Prefs file 4-35

Photoshop PS Prefs file icon 4-35

Photoshop Type Tool 7-7, 7-13

PhotoStyler Convert To submenu 5-35

PhotoStyler File menu 5-19

- Import submenu 5-19, 8-4

PhotoStyler Setup dialog box 5-21

PhotoStyler Setup opening screen

- Aldus PhotoStyler driver 5-21

Pictures. See Image(s) and Taking pictures

Pixel, CCD imager size 6-2

Power cord safety xii,

Power cord to connect AC battery charger/adaptor to wall outlet 3-4, 6-29

Power Sources xi

Power-line surge xii

Precautions x to xvii

PressLink A-2, A-8 to A-12

Preview (check box), image window dialog box

- Adobe Photoshop driver 4-38, 4-44, 7-5, 7-11
- Aldus PhotoStyler driver 5-26, 5-32, 5-32, 8-4, 8-10

Previewing image(s). *See also* preview (check box)

Time requirements for displaying 6-35

Printers 1-5

- Options and ordering 1-5, 1-8

PSSETUP.EXE., Aldus PhotoStyler driver 5-21

Q

QB2 6-28, B-1 to B-4, B-4

- Connecting to DCS 200 Camera B-1 to B-4
- Flash connectors B-4
- Ordering information B-1

Quantum Battery 2. See QB2

Quit

- Adobe Photoshop 4-49

Quitting

- Adobe Photoshop 4-49
- Aldus PhotoStyler, DCS 200 Camera and PC 5-36

R

Rapid viewing of images

- Adobe Photoshop driver 4-49
- Aldus PhotoStyler driver 5-37

Read Me file, Adobe Photoshop driver 4-35

README.TXT file, Aldus PhotoStyler driver 5-20

Recover hard disk. See also Recover Disk (button) 6-7

Recover Disk (button), Control Panel option

- Adobe Photoshop driver 4-40, 7-16, 7-20
- Aldus PhotoStyler driver 5-28, 8-14, 8-15, 8-18

Recovering deleted images, DCS 200 Camera 3-24, 6-11

Repacking the DCS 200 camera D-1

RGB Channels, Aldus PhotoStyler 5-36

S

Safeguards x to xvii

- Accessories xi

Sanyo Cadnica N-600AA batteries 1-11

Saturated color in color balancing

- Adobe Photoshop driver 4-46, 7-10
- Aldus PhotoStyler driver 5-34, 8-9

Saving acquired images

- Adobe Photoshop driver 4-47
- Aldus PhotoStyler driver 5-35

Saving pictures in the DCS 200 Camera or an external hard disk 3-2, 6-21 to 6-24, 6-31

Schott BG-40 1 mm filter

- Adobe Photoshop driver 4-46, 7-9
- Aldus PhotoStyler driver 5-33, 8-8

Specifications and ordering information 1-9

Schott Glass Technologies Inc. 1-9

SCSI cables xii, 1-3

- For connecting the DCS 200 Camera to various Macintosh computers
 - 25-pin to 25-pin 4-12, 4-12 to 4-13, 4-21 to 4-23
 - 25-pin to 50-pin 4-13 to 4-15, 4-19 to 4-20, 4-26, 4-26 to 4-28, 4-29, 4-29 to 4-31
 - HDI-30-pin to 25-pin PowerBook SCSI adapter cable 4-16, 4-16 to 4-18
 - HDI-30-pin to 50-pin PowerBook SCSI adapter cable 4-18, 4-18 to 4-20
 - Total length of connecting cables 4-24
- For connecting the DCS 200 Camera to a PC
 - 25-pin to 50-pin 5-14, 5-16 to 5-17
 - 50-pin SCSI2 HD to 25-pin SCSI HD 5-10, 5-10 to 5-17
 - Total length of connecting cables 5-12

SCSI card. See SCSI Host Adapter (Future Domain) for PC

SCSI connection of DCS 200 Camera to a computer. *See also* specific computer names

Configuration options 6-18 to 6-20
Macintosh computer 4-9 to 4-31
PC 5-10 to 5-17

SCSI connector/port 2-5

KODAK camera back 4-13, 5-11, 6-16, 6-16 to 6-17
On a Macintosh computer 4-9
On a PC (SCSI2) 5-9

SCSI device, determining if terminated

On Macintosh compatible devices 4-24
On PC compatible devices 5-12

SCSI extender

Attaching to DCS 200 Camera 3-28
Removing from DCS 200 camera 3-35

SCSI gender changer for connecting the DCS 200 Camera

To the Macintosh IIx 4-14, 4-14 to 4-15
To the Macintosh PowerBook 4-18, 4-18 to 4-20

SCSI Host Adapter (Future Domain) for PC 1-7,

Installing 5-7 to 5-8

SCSI icon on Macintosh computer 4-9

SCSI ID 2-5, 6-14 to 6-15

Setting on DCS 200 Camera for connecting to:
For external hard disk 3-25, 6-15
Macintosh computer 4-3 to 4-8
PC 5-3 to 5-6

SCSI ID button, KODAK camera

back 4-5, 4-7, 5-4, 5-5, 6-10, 6-14, 6-14 to 6-15

SCSI ID indicator, KODAK camera back LCD 4-6, 4-7, 5-5, 6-14, 6-14 to 6-15

SCSI identification. *See* SCSI ID

SCSI mode 4-6, 6-15

SCSI terminator 1-5, 1-7

For connecting the DCS 200 Camera to various Macintosh computers 4-10
25-pin 4-16, 4-16 to 4-18, 4-21 to 4-23

50-pin 4-18, 4-18 to 4-20

To the Macintosh PowerBook 4-18

To the Macintosh IIx 4-14, 4-14 to 4-15

For connecting the DCS 200 Camera to a PC 5-13, 5-12 to 5-15

SCSI2 connector/port on a PC 5-9

Security

Adobe Photoshop driver 7-20, 7-23
Aldus PhotoStyler driver 8-21

Select (button options), image window dialog box

Adobe Photoshop driver 7-5, 7-11 to 7-12
Aldus PhotoStyler driver 8-4, 8-10 to 8-11

Selecting image(s)

Adobe Photoshop driver 7-2, 7-11
Selecting single, or multiple images 7-12
Aldus PhotoStyler driver 5-31, 8-2, 8-10 to 8-11
Selecting single, or multiple images 8-11

Self-test of DCS 200 Camera 6-3

Adobe Photoshop driver 7-18
Aldus PhotoStyler driver 8-16

Servicing xiii

Set Clock (button), Control Panel option

Adobe Photoshop driver 7-6, 7-16, 7-18
Aldus PhotoStyler driver 5-31, 8-5, 8-14, 8-15, 8-16

Setup Source Directory, Aldus PhotoStyler driver 5-21

Shipping case for DCS 200 Camera 1-10

Shutter release button, Nikon N8008s camera 3-13, 3-15

Troubleshooting while using
Camera back does not wake 6-38
Causes whirring sound 6-38
Depressing does not release shutter 6-39 to 6-41

Shutter speed 6-2

Information box data

Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7
Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6

Single Autofocus mode 3-14

Single-frame shooting 3-11, 3-37

Software driver(s). *See also* Adobe Photoshop driver and Aldus PhotoStyler driver 2-5, 6-22

Software License Agreement vi to ix, 1-1, 5-19

Source (popup menu), image window dialog box

Adobe Photoshop driver 4-41, 7-5, 7-7 to 7-8
Aldus PhotoStyler driver 5-29, 8-4, 8-7

Spare parts, ordering OE&SP-4 to OE&SP-7

Specifications, DCS 200 Camera 9-3

Split Channels, Adobe Photoshop Mode menu 4-48

Split RGB True Color To submenu, Aldus PhotoStyler 5-36

Spot metering 3-38

Standard Mode, Microsoft Windows 5-19

WIN/S 5-19, 5-25

Status of batteries in KODAK camera back 3-17, 3-17, 6-5, 6-5

T

Take Picture (button), Action choice, image window dialog box

Adobe Photoshop driver 4-41, 4-51, 7-15, 7-43
Aldus PhotoStyler driver 5-38, 8-4, 8-14, 8-34
Troubleshooting — No picture is recorded when button is depressed
Adobe Photoshop driver 7-43
Aldus PhotoStyler driver 8-34

Taking a picture(s) 2-2 to 2-6, 3-20 to 3-21, 6-21 to 6-24

Caution when external hard disk is attached 3-34

- Timing considerations 6-34 to 6-35
- Troubleshooting
 - Images not stored to internal hard disk 6-39
 - While connected to a Macintosh 4-51, 7-15
 - While connected to a PC 5-38, 8-14
- Target (PhotoStyler) Directory** 5-21
- Technical assistance** xviii
- Termination Power** 5-8
- Text, saving with image(s)**
 - Adobe Photoshop 7-13
 - Aldus PhotoStyler 8-6
- Text box, information box**
 - Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7, 7-13
 - Aldus PhotoStyler driver 5-30, 5-31, 8-6, 8-6
- Three-digit image number, image window. See Image number and Image window features**
- Thumbnail images. See also Image window features**
 - Adobe Photoshop driver 4-38, 4-41, 4-42, 7-5, 7-6
 - Default to Thumbnails, Control Panel option 7-16, 7-23
 - Color Thumbnails (check box), Control Panel option 4-40, 4-40, 7-16, 7-23
 - Highlighted 7-11
 - Aldus PhotoStyler driver 5-28, 5-29, 8-7, 8-14, 8-15, 8-21
 - Color Thumbnails, Control Panel option 5-28, 5-28, 8-4, 8-21
 - Highlighted 8-10
 - Definition 6-2
 - Generating 6-2
 - Storage 6-2
 - Time requirements for display 6-35
- Tiffen Manufacturing Corporation** 1-9
- Time & date of image**
 - Control Panel
 - Adobe Photoshop driver 4-40, 7-16, 7-18 to 7-19
 - Aldus PhotoStyler driver 5-28, 8-14, 8-16 to 8-17

- Information box
 - Adobe Photoshop driver 4-42, 4-43, 7-6, 7-7, 7-40
 - Aldus PhotoStyler driver 5-30, 5-31, 8-5, 8-6, 8-32
 - Troubleshooting — data is incorrect 7-40, 8-32
- Time & date, setting in the DCS 200 Camera**
 - Adobe Photoshop driver 7-18
 - Aldus PhotoStyler driver 8-16
- Time requirements for taking and displaying pictures** 6-34
- Troubleshooting**
 - Adobe Photoshop driver 7-39 to 7-44
 - Aldus PhotoStyler 8-32 to 8-34
 - DCS 200 Camera 6-36 to 6-47
- TUNG, Balance popup menu option**
 - Adobe Photoshop driver 4-46, 7-9
 - Aldus PhotoStyler driver 5-33, 8-8
- TungBG40, Balance popup menu option**
 - Adobe Photoshop driver 4-46, 7-9
 - Aldus PhotoStyler driver 5-33, 8-8
- Tungsten lighting. See Balance and Color balance and Schott BG-40 1 mm filter**
- Turning on and off the DCS 200 Camera. See also Quitting**
 - As related to mode of camera operation 6-31 to 6-33
 - Automatic off 3-15
 - Off 3-17, 3-24
 - On 3-10
 - Troubleshooting, stays on after being turned off 6-46

U

- Unpacking the DCS 200 Camera** 3-2
- Update, PhotoStyler Setup dialog box option** 5-21
- Update Camera Firmware (button), Control Panel option. See also Firmware**
 - Adobe Photoshop driver 4-39 to 4-40, 7-16, 7-16 to 7-18
 - Shortcut for access 7-17
 - Aldus PhotoStyler driver 5-27 to 5-28, 8-14, 8-15 to 8-16
 - Shortcut for access 8-15

- For Macintosh PowerBook 4-40
- Troubleshooting
 - Button is dimmed 7-39
- User's Manual**
 - Ordering OE & SP-8

V

- Velcro strap to hold external hard disk** 3-26
- Viewing image(s)**
 - Adobe Photoshop driver 4-41 to 4-44
 - Aldus PhotoStyler 5-29 to 5-32
- Voltage depression in NiCad batteries** 6-25, 6-27

W

- Waking the system** 3-15
- Warranty** iii to v, 1-1
- Warranty Registration card** 1-1, 5-19, D-1
- Windows. See Microsoft Windows**
- Write protected (locked) diskette** 4-34, 5-20

X

- X and Y pixel location**
 - Adobe Photoshop driver 4-44
 - Aldus PhotoStyler driver 5-32

.....

Optional Equipment & Spare Parts List for the KODAK Professional DCS 200 Digital Camera

Ordering Optional Kodak Equipment from Your Dealer

To order items in this category, contact your dealer. For product information, including detailed information on options and accessories, and to obtain catalog numbers where not provided, in the United States call 1-800-242-2424 ext. 77 and outside the United States contact your local Kodak representative, except as noted below.

NOTE: None of the items described in this section is supplied with the DCS 200 Camera.

Item Name	CAT No.	Description
External Drive Power Supply and Terminator Kit	834 3790	<p>This accessory is used to connect an external hard disk to your computer. This kit includes a power supply, terminator, cable, and manual. The external hard disk is not supplied with the DCS 200 Camera. For specific requirements information refer to the tabbed section "Using an external hard disk" in this manual.</p> <p>To order replacement spare parts after you obtain this kit, refer to the spare parts section below.</p>

.....

Ordering Optional Equipment from Other Vendors

To order items in this category, contact the individual vendors listed below.

NOTE: None of these items is supplied with the DCS 200 Camera.

Item Name	Description
Quantum Battery 2 (QB2)	The QB2 is a rechargeable, external power pack that extends the operating time for the DCS 200 Camera. For information contact Quantum Instruments Inc., 1075 Stewart Avenue, Garden City, NY 11530, 516-222-0611. Requires the KODAK Professional DCS 200 External Battery Adapter (see above).
Schott 1 mm BG-40 filter	Improves color fidelity under tungsten lighting. Available from Schott Glass Technologies Inc., 400 York Avenue, Duryea, PA 18642, 717-457-7485. These filters must be cut for screw mount holders; Tiffen Manufacturing Corporation, at 90 Oser Avenue, Hauppauge, New York, 11788, 516-273-2500, can cut and mount these filters in any lens mount you specify.
Pelican Pro Case 1550	Hard shipping case for the DCS 200 Camera. Available from Bristol Case Company, 34 Elton Street, Rochester, NY, 14607, 1-800-343-3408.
Software Drivers	<p>You may be able to obtain software drivers prepared by companies other than Kodak that enable you to use the camera on computer platforms in addition to the Macintosh or PC, or with operating systems in addition to the Macintosh operating system or Windows.</p> <p>You may also be interested in developing your own software driver.</p> <p>For information contact Kodak.</p>

.

Item Name	Description
Custom focusing screens	Custom focusing screens for the Nikon N8008s camera can be produced by Maracle Industrial Finishing Company, Inc., 39 Commercial Street, Webster, NY 14580, telephone 716-872-5100, fax 716-872-0285.

Ordering Spare Parts from Kodak

To order any of the following spare parts for your DCS 200 Camera, call Kodak Parts Services 24 hours a day, 7 days a week (except Sunday morning midnight to 7:00 a.m. eastern time zone) at 1-800-431-7278 (fax 1-716-588-3051).

Part Name	Part No.	Description
Macintosh Computer Cables	966156	25-pin to 25-pin SCSI cable
	966157	25-pin to 50-pin SCSI cable
IBM/Compatible PC Cables	953867	50-pin to 25-pin SCSI2 cable for use with the Future Domain SCSI Host Adapter
Gender Changer	966976	Macintosh SCSI gender changer for use with the Macintosh IIx or PowerBook computers. This item is not supplied with the DCS 200 Camera.
SCSI Terminator	777515	50-pin SCSI terminator for Macintosh computers except the IIx. PowerBook computers require two SCSI terminators, other Macintosh computers require one. This item is not supplied with the DCS 200 Camera.

Part Name	Part No.	Description
25-pin Terminator	966158	25-pin terminator for use with external hard disks or newer Macintosh computer models. For more information refer to the tabbed section "Using an external hard disk" in this manual or to "Making the SCSI Connection" on page 4-9.
AC Battery Charger/Adapter	692375 3B4480	AC battery charger/adapter
NiCad Batteries	725814	Sanyo Cadnica N-600AA Nickel-Cadmium (NiCad) Battery
SCSI Host Adapter Cards for the PC		NOTES: These circuit boards are also available from Future Domain. Refer to "Required SCSI Interface" on page 1-7 of the user's manual for more information. These items are not supplied with the DCS 200 Camera.
	951540	Future Domain SCSI2 Host Adapter Card for PCs with an AT-style bus
	951887	Future Domain SCSI2 Host Adapter Card for PCs with Micro Channel-style bus

.

Part Name	Part No.	Description
Internal Hard Disk Upgrade Kit		<p>This package (part number 966978)—which must be ordered and installed by the Kodak authorized service center for your country — consists of an internal hard disk (part number 966121) and connecting cable (part number 951875). This kit can be used to replace a faulty internal hard disk or to add an internal hard disk to a camera model without one.</p> <p>An internal hard disk is supplied with models DCS 200ci, DCS 200mi, and DCS 200IR, but is not supplied with models DCS 200c and DCS 200m.</p>
External Drive Power Supply and Terminator Kit		<p>NOTES: To order the entire kit, refer to the listing for this item in the section “Ordering Optional Kodak Equipment from Your Dealer” above. Once you have obtained the kit, order replacement parts below if needed. For more information refer to the tabbed section “Using an external hard disk” in this manual.</p> <p>These items are not supplied with the DCS 200 Camera.</p>
	966980	External Power Supply for external hard disks
	966158	25-pin terminator for use with external hard disks

.

Part Name	Part No.	Description
Software Package		We encourage you to obtain software updates electronically as described in "Appendix A Updating Your Kodak Software Driver" in this manual. However, you can also order them as below.
	966319	Driver for Macintosh Adobe Photoshop
	966320	Driver for Aldus PhotoStyler (3.5 inch diskette)
	951877	Driver for Aldus PhotoStyler (5.25 inch diskette)
External Drive Support Kit		Contains the following items, or order them separately as needed.
	966437	Extender Pad
	966419	Strap
	966797	Adhesive-backed strips (2)

.

Ordering New Manuals from Kodak

To order an additional user's manual, call Kodak Advertising Distribution 8:00 a.m. to 5:00 p.m. (eastern time zone), Monday through Friday, at 1-800-233-1650 (fax 1-716-588-4807).

Part Name	Part No.	Description
User's Manual	951880	DCS 200 User's Manual

.....

Appendices

This section includes the following appendices.

A — Updating Your Kodak Software Driver

B — External Battery Adapter

C — Using an Infrared (IR) Camera

D — Repackaging Instructions for the KODAK Professional DCS 200
Digital Camera

E — KODAK Professional DCS 200 Digital Camera Problem Report Form

.....

Appendix A — Updating Your Kodak Software Driver

This appendix provides information on obtaining and installing updated software drivers including:

- ▶ Directions for downloading software drivers electronically from several sources. (We recommend this as the preferred method of obtaining driver updates.)
- ▶ Directions for obtaining software drivers on diskettes directly from Kodak.
- ▶ Directions for installing the software driver and updating camera firmware once you have obtained the updated version of the driver.

Downloading Software Drivers Electronically

When Kodak prepares updated versions of the software drivers for the DCS 200 Camera, it makes those updates available electronically on several computer networks. Downloading an update from one of those networks is the quickest way to obtain the most current driver. You receive the driver directly — in a timely way — at your convenience.

Downloading a driver requires: a modem, communications software, a telephone line, and an account on a supported network. These items are not supplied by Kodak.

Kodak provides current versions of the drivers on the following networks; directions after the table describe how to download drivers from each of these network services.

.

Network	Description/Address	Includes Kodak Driver for Adobe Photoshop (Macintosh) ?	Includes Kodak Driver for Aldus PhotoStyler (PC)?
CompuServe	<p>"Gives you access to over 1700 products and services, plus the knowledge and expertise of over a million CompuServe members worldwide."</p> <p>CompuServe, 5000 Arlington Centre Boulevard, PO Box 20212, Columbus, OH, 43220. Telephone 614-457-8600 and 1-800-848-8199.</p>	Yes	Yes
PressLink	<p>"Designed to facilitate the electronic delivery of graphics, photos and information for the newspaper industry worldwide."</p> <p>PressLink, One Herald Plaza, Miami, FL, 33132-1693. Telephone 305-376-3989, fax 305-376-3993.</p>	Yes	Yes
AppleLink	<p>"The official Apple on-line resource, global information network, and electronic-mail system for the Apple community."</p> <p>AppleLink, Apple Computer, Inc., PO Box 10600, Herndon, VA 22070-0600. Telephone 408-974-3309, fax 703-318-6701.</p>	Yes	No

.

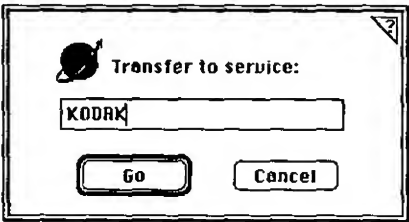
Downloading a Driver from CompuServe

This section assumes that you have an account on CompuServe and that you are familiar with procedures to initiate and terminate a session on this network. If you need information on any of these topics, contact CompuServe at the address provided above.

There are a large number of communications software packages that you can use to access CompuServe. The instructions below assume that you are using either the Macintosh or Windows (PC) version of the software application "CompuServe Information Manager." If you are not currently using CompuServe and want to do so, you may wish to obtain and use this low-cost application which is widely available. If you are using another software product to access CompuServe, review the steps below; they provide information on the name and location of the file(s) you will need to download.

NOTES: The steps below were prepared using CompuServe Information Manager, Macintosh version 2.1.2 and Windows version 1.0.4. The screens were generated from the Macintosh computer version; similar screens appear on the PC.

- 1. Initiate a computer work session and run CompuServe Information Manager.
- 2. Follow these steps to enter the KODAK FORUM. (It may have a different name, for example KODAK CD FORUM.)
 - A. Choose GO from the SERVICES menu.
 - B. Type KODAK in the text box.

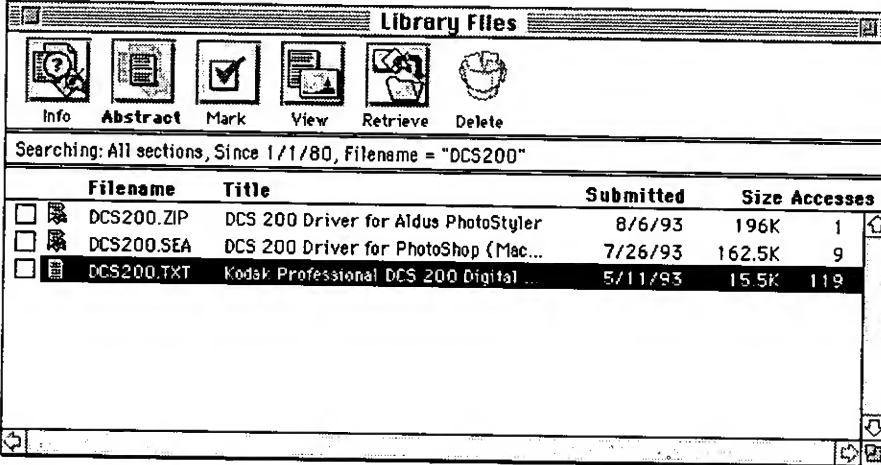


.

- C. Click GO (Macintosh), or OK (Windows).
 - D. Wait as you are connected to CompuServe and transferred to the KODAK FORUM; if you are not a member of the forum, join the forum when prompted to do so.
3. Follow these steps to list all "DCS200" files.
- A. Choose SEARCH from the LIBRARIES menu.
 - B. Type DCS200 in the filename text box.

- C. Click ALL; this ensures that the search occurs in all library sections in this forum.

- D. (Optional) Change the period of time to be searched.
- E. Click **SEARCH**; you see a list, like the one below, of DCS 200 driver updates and other DCS 200 files.



The screenshot shows a window titled "Library Files". At the top, there is a toolbar with icons for "Info", "Abstract", "Mark", "View", "Retrieve", and "Delete". Below the toolbar, a search bar contains the text "Searching: All sections, Since 1/1/80, Filename = 'DCS200'". The main area of the window displays a table with the following data:

	Filename	Title	Submitted	Size	Accesses
<input type="checkbox"/>	DCS200.ZIP	DCS 200 Driver for Aldus PhotoStyler	8/6/93	196K	1
<input type="checkbox"/>	DCS200.SEA	DCS 200 Driver for PhotoShop (Mac...	7/26/93	162.5K	9
<input type="checkbox"/>	DCS200.TXT	Kodak Professional DCS 200 Digital ...	5/11/93	15.5K	119

- F. Select the driver for Adobe Photoshop (if you are working on a Macintosh computer), or Aldus PhotoStyler (if you are working on a PC).

NOTE: The files may have different names at different times.

.

4. Follow these steps to download the file to your hard disk.
 - A. Click **RETRIEVE**; you see a save dialog box.
 - B. Navigate through your hard disk as needed to choose a location to which the driver will be downloaded. (We suggest that you do not change the filename.)
 - C. Click **SAVE** (Macintosh) or **OK** (PC).
 - D. Wait as the driver is downloaded from the network to your computer; a progress box provides information on the download process.
5. Finish with other business on CompuServe as needed, and then terminate your work session.

Continue below if you are working with the driver for Adobe Photoshop (Macintosh), or at “Extracting Driver Files for Aldus PhotoStyler (PC)” on the next page if you are working with Aldus PhotoStyler (PC).

Extracting Driver Files for Adobe Photoshop (Macintosh)

The data you have downloaded contains several files that have been combined and compressed into a single file. Compression results in a smaller file size — an advantage since it reduces the amount of time heeded to transmit the data to your computer.

Now that you have downloaded the file, you must decompress it. However, the file is self-extracting, meaning that you do not need to obtain an additional software application to extract the files. You do not need to be connected to CompuServe while you complete the steps in this section.

.

Follow the steps below to expand the compressed data into the files you will need for the update.

1. Double-click the icon on your hard disk for the file you downloaded; it is probably named DCS200.SEA.
2. Read the information screen that appears and click **CONTINUE**.
3. A **SAVE As** dialog box appears; navigate through your hard disk as needed to choose a location at which the extracted files — in a new folder — will be saved.
4. Wait as the files are extracted, and then click **QUIT**.

Continue at the end of this appendix at the section “Installing the Software Driver.”

Extracting Driver Files for Aldus PhotoStyler (PC)

The data you have downloaded contains several files that have been combined and compressed into a single file. Compression results in a smaller file size — an advantage since it reduces the amount of time needed to transmit the data to your computer.

Now that you have downloaded the file, you must decompress it. The file has been stored in ZIP format. To decompress it you can use the shareware version of PKUNZIP that is available on CompuServe and elsewhere. We assume that you have that application, which is commonly used with PCs. Rules regarding its usage are available with the application. (If you do not have that shareware file, use the file finder in the IBM forum to find it, and then download that file.)

.

You do not need to be connected to CompuServe while you complete the steps in this section.

There are a variety of ways to extract the files; one follows.

1. Place the PKUNZIP application into the folder with the file you downloaded.
2. While in the Windows File Manager, drag the icon for the downloaded file — it is probably named DCS200.ZIP — over the PKUNZIP.EXE icon.
3. Wait as the files are decompressed, responding to queries that may appear from the software.

NOTE: When the process is complete, the contents of the window on your display may not be refreshed, meaning that you may not see the decompressed files. To view them, change to another directory, and then return to this one.)

Continue at the end of this appendix at the section “Installing the Software Driver.”

Downloading a Driver from PressLink

This section assumes that you have an account on PressLink and that you are familiar with procedures to initiate and terminate a session on this network. If you need information on any of these topics, contact PressLink at the address provided above. Separate directions are provided for obtaining driver files for Adobe Photoshop (Macintosh) and Aldus PhotoStyler (PC).

Downloading and Expanding Files for Adobe Photoshop

.

(Macintosh)

1. Initiate a computer work session on the Macintosh computer and run your PressLink 2000 application.

NOTE: The steps below were prepared using PressLink 2000, version 6.1.4, while running System 7.1 on a Macintosh computer.

2. Navigate to the location of the driver by opening the following folders.
 - A. Open VENDORS. The folder is located in the PRESSLINK™ 2000 SERVICES window; you may need to scroll to locate it.
 - B. Open EASTMAN KODAK.
 - C. Open TECH SUPPORT.
 - D. Open MACINTOSH UTILITIES.
3. Open the driver you want. The driver may be named DCS 200 MAC, although it may be stored with different names at different times.
4. Follow these steps to download the file to your hard disk.
 - A. Click the DOWNLOAD icon; you see a SAVE As dialog box.
 - B. (Optional) Navigate through your hard disk as needed to choose a location to which the file will be downloaded.
 - C. Click OK.
 - D. Wait as the file is downloaded from the network to your computer; a progress box provides information on the download process.
5. Choose DISCONNECT from the NETWORK menu. You leave the network,

.

but remain in the PRESSLINK 2000 application.

6. Click on the EXPAND icon at the top of the driver window.
7. Follow these steps to expand the files you have downloaded.
 - A. Click on the filename on the left side of the window.
 - B. (Optional) Change the name of the folder to which the files will be expanded.
 - C. (Optional) Navigate through your hard disk as needed to choose a location to which the folder with the files will be expanded.
 - D. Click SAVE ALL.
 - E. Wait as the data are expanded; a progress box provides information on the expand process.
8. Quit the PressLink application.

Continue at the end of this appendix at the section "Installing the Software Driver."

Downloading and Unpacking Files for Aldus PhotoStyler (PC)

1. Initiate a computer work session on the PC, run your copy of PressLink System 2000 for Windows, and connect to the host.

NOTE: The steps below were prepared using PressLink System 2000 for Windows, version 1.1.2, while running Windows version 3.1.
2. Navigate to the location of the driver by opening the following folders.
 - A. Open VENDORS.
 - B. Open EASTMAN KODAK.
 - C. Open TECH SUPPORT.
 - D. Open DOS UTILITIES.

.

3. Click on the driver you want. The driver may be named DCS200PC.PKG, although it may be stored with different names at different times.
4. Follow these steps to download the file to your hard disk.
 - A. Choose GET ATTACHED FILES from the INFO SERVICES menu (or click on the ATTACHED FILE button).
 - B. (Optional) When you see the GET ATTACHED FILES dialog box, navigate through your hard disk as needed to choose a location to which the file will be downloaded.
 - C. Click SAVE.
 - D. Wait as the file is downloaded from the network to your computer; a progress box provides information on the download process.
 - E. Close the FILE TRANSFERS dialog box.
5. Choose DISCONNECT from the NETWORK menu. You leave the network, but remain in the PRESSLINK SYSTEM 2000 application.
6. Follow these steps to unpack the file you have received.

NOTE: The data you have downloaded contain several files that have been compressed and packed into this single file. Compressing the data results in a smaller file size, an advantage since it reduces the amount of time needed to transmit the driver files to your computer. Now you must unpack these data.

 - A. Choose PACK/UNPACK FILES from the FILE menu.
 - B. Navigate through your hard disk to locate the package you downloaded.
 - C. Click on the package file name; it is probably DCS200PC.PKG.
 - D. Click SELECT PACKAGE; at the bottom of the dialog box you see a listing of the individual files that compose the package.

.

- E. Click UNPACK.
 - F. Navigate through your hard disk as needed to choose a location to which the file will be unpacked.
 - G. Be certain that the option to unpack ALL FILES is selected.
 - H. Click OK.
 - I. Wait as the files are unpacked one-by-one; a progress box provides information on the process.
7. Quit the PressLink application.

Continue at the end of this appendix at the section "Installing the Software Driver."

Downloading a Driver from AppleLink

This section assumes that you have an account on AppleLink and that you are familiar with procedures to initiate and terminate a session on this network. If you need information on any of these topics, contact AppleLink at the address provided above. Only the driver for Photoshop is available on AppleLink; the driver for PhotoStyler is not available.

- 1. Initiate a Macintosh computer work session and run your AppleLink application.

NOTE: The steps below were prepared using AppleLink, version 6.1.

- 2. Select APPLELINK SERVICES from the WINDOWS menu.

.

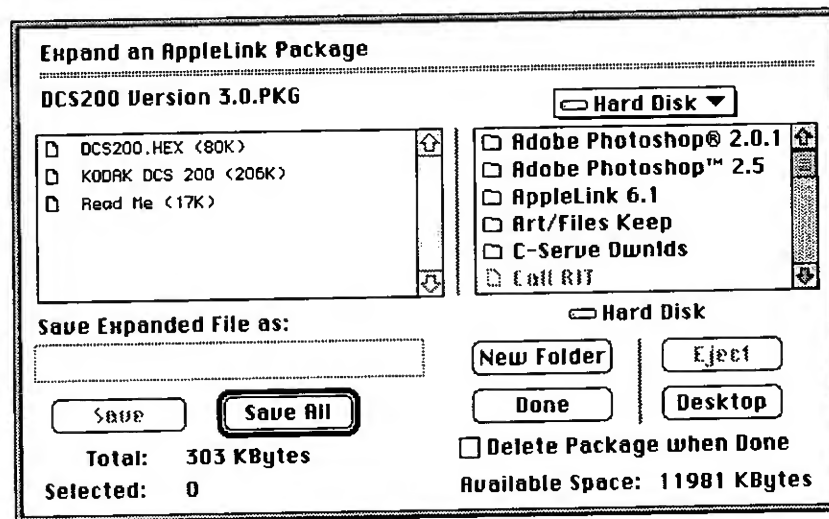
3. Navigate to the location of the driver by moving into the following folders.
 - A. Open SOFTWARE SAMPLER.
 - B. Open 3RD PARTY DEMOS/UPDATES.
 - C. Open SOFTWARE UPDATES.
 - D. Open COMPANIES E-J.
 - E. Open EASTMAN KODAK.
4. Open the current version of the DCS 200 file.

NOTE: That object may have different names at different times, for example it may be named DCS200 PHOTOSHOP PLUG-IN VERSION 3.0.
5. Follow these steps to download the file to your hard disk.
 - A. Click the DOWNLOAD icon; you see a SAVE As dialog box.
 - B. Navigate through your hard disk as needed to choose a location to which the file will be downloaded.
 - C. Click OK.
 - D. Wait as the file is downloaded from the network to your computer; a progress box provides information on the download process.
6. Finish with other business on AppleLink as needed, and then terminate your work session.

Expanding Driver Files for Adobe Photoshop

The file you have downloaded is a single package containing several data files. You must now follow the steps below to expand the data you have downloaded. You do not need to be connected to AppleLink while you complete the steps in this section.

1. Double-click the icon on your hard disk of the file you downloaded. (Perhaps it is named DCS200 PHOTOSHOP PLUG-IN VERSION 3.0.)
2. You see an AppleLink screen like the following; note in this example that the package contains three files (DCS200.HEX, KODAK DCS 200, and READ ME), shown on the left of the dialog box.



.

3. Navigate through your hard disk (on the right of this dialog box) as needed to choose a location to which the extracted files will be saved.
4. Click **SAVE ALL**.
5. Wait as the files are extracted.
6. Choose **QUIT** from the **FILE** menu.

Continue below at the section “Installing the Software Driver.”

Obtaining Software Updates Directly from Kodak

You can order diskettes containing current versions of the Kodak Driver for Adobe Photoshop Software and/or the Kodak Driver for Aldus PhotoStyler Software. Refer to the “Software Package” entry in the tabbed section of this manual “Optional Equipment & Spare Parts List” for ordering information.

If you obtain software directly from Kodak, install it as described in the next section.

Installing the Software Driver

This section describes how to update the driver on your hard disk (either the Kodak Driver for Adobe Photoshop Software or the Kodak Driver for Aldus PhotoStyler Software), and how to update the firmware in your camera using the updated driver files.

The section assumes that you have downloaded and expanded driver files from one of the three networks as described earlier in this appendix, or that you have received a new diskette from Kodak with these files.

.

Updating the Kodak Driver for Adobe Photoshop Software (Macintosh)

1. Complete all the steps in *"Installing the Kodak Driver for Adobe Photoshop Software"* beginning on page 4-33, except as noted here.
 - ▶ Since you will be replacing files with new versions, you may wish to save the older versions of the files (named DCS200.HEX, KODAK DCS 200, and READ ME) by copying them to a backup diskette.
 - ▶ If the files have been downloaded from a network (instead of obtained on a diskette), use the downloaded files from their location on your hard disk rather than from the diskette.
 - ▶ When you copy the new files to the appropriate location on your hard disk, you will be prompted to confirm that you want to replace the existing files. After backing them up, as suggested just above, you can replace the files.
2. Access the new driver by completing all the steps in *"Accessing the Kodak Driver for Adobe Photoshop Software"* beginning on page 4-36.
3. Update your camera with the new firmware by completing all the steps in *"Updating Camera Firmware in the DCS 200 Camera"* beginning on page 4-39.

The software and camera are now ready for use.
4. Exit the driver and quit Photoshop.

.....

Updating the Kodak Driver for Aldus PhotoStyler Software (PC)

1. Complete all the steps in "Installing the Kodak Driver for use with Aldus PhotoStyler Software" beginning on page 5-19, except that if the files have been downloaded from a network — instead of obtained on a diskette — access the files from the location of the downloaded data rather than from the diskette.
2. Access the new driver by completing all the steps in "Accessing the Kodak Driver for Aldus PhotoStyler Software " beginning on page 5-24.
3. Update your camera with the new firmware from the diskette by completing all the steps in "Updating Camera Firmware in the DCS 200 Camera" beginning on page 5-27.

The software and camera are now ready for use.

4. Exit the driver and PhotoStyler.

.....

Appendix B — External Battery Adapter

The KODAK Professional DCS 200 External Battery Adapter, CAT No. 893 0893, an accessory available from Kodak, is a replacement for the battery holder supplied with the KODAK Camera Back. The accessory allows the camera to be used with the Quantum Battery 2 (QB2).

(The QB2 is a rechargeable, external power pack that extends operating time for the DCS 200 Camera. For information on the QB2, contact Quantum Instruments Inc., 1075 Stewart Avenue, Garden City, NJ 11530, telephone 516-222-0611.)

NOTE: The accessory and QB2 unit only provide power to the KODAK Camera Back, and not to the Nikon N8008s camera. The batteries in the Nikon camera body will still need to be replaced when exhausted.

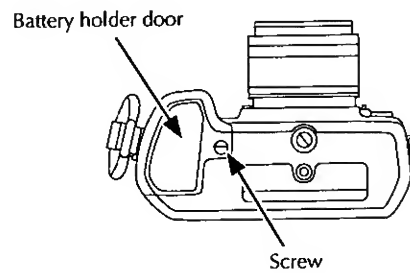
Directions for using this accessory follow.

1. Turn off the DCS 200 Camera.
2. If the AC battery charger/adapter is connected, disconnect it from the camera back.

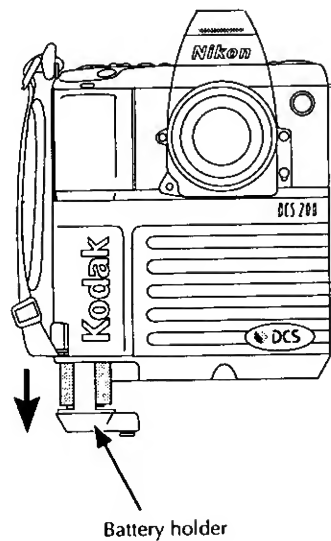
WARNING: Do not connect the AC battery charger/adapter to the DCS 200 Camera while the External Battery Adapter accessory is in the camera back. To use the AC battery charger/adapter, you **MUST** remove the External Battery Adapter accessory, and replace it with the KODAK Camera Back battery clip filled with rechargeable nickel cadmium batteries.

3. Lay the DCS 200 Camera on its back on a flat, steady surface, with the bottom facing you.

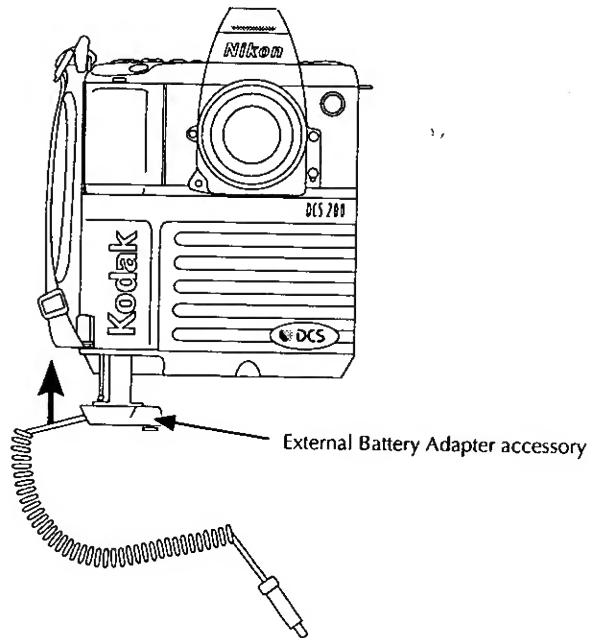
-
4. Release the screw on the battery holder door with a coin by giving it a slight one-quarter turn in the counterclockwise direction until the slit in the screw is horizontal.



5. Gently pull out the battery holder.

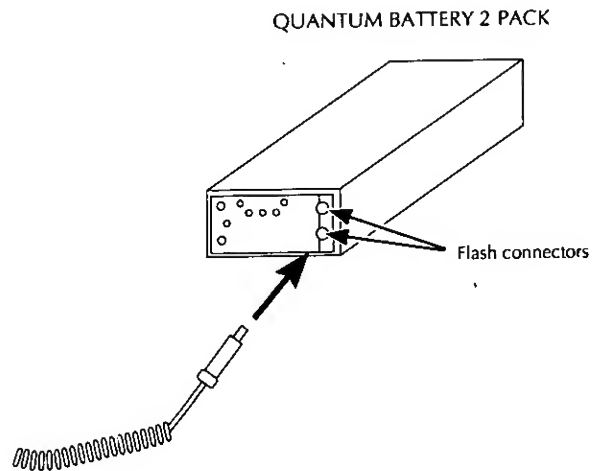


-
6. Insert the KODAK Professional DCS 200 External Battery Adapter accessory into the empty battery chamber.



7. Engage the screw on the bottom of the KODAK Professional DCS 200 External Battery Adapter accessory by giving it a one-quarter turn in the clockwise direction with a coin.

-
8. Plug the cord into either of the “FLASH” connectors on your Quantum Battery 2 pack. (The QB2 is not supplied with this accessory.)



WARNING: Only the QB2 is supported; do not use any other battery pack with this accessory.

.....

Appendix C — Using an Infrared Camera

This appendix provides information for customers who have purchased the KODAK Professional DCS 200IR Digital Camera, the infrared (IR) version of the camera.

This appendix assumes that you are familiar with infrared photography, and provides only the following introductory material specific to the DCS 200IR.

- ▶ The DCS 200IR is a monochrome camera with an internal hard disk.
- ▶ Unlike other DCS 200 models that incorporate a cover glass that blocks infrared light, the DCS 200IR has a standard cover glass that allows infrared light to reach the imager.
- ▶ The spectral response of the DCS 200IR is 420 to 1,000 nanometers at greater than 5% quantum efficiency.
- ▶ The best focusing (the sharpest results), are obtained if you use Micro Nikkor lenses. Other lenses will work, but may produce results that are less sharp, since the visible spectrum and the IR content of the image focus at a different point with other lenses.

If you must use a lens other than a Micro Nikkor, stop down to f/8 or greater (for maximum depth of field which may minimize the effects of the IR focus shift), or use the IR compensation dot on the lens — if present — after manually focusing.

- ▶ The DCS 200IR is not recommended for use — and may not provide satisfactory results — with the KODAK Color Filter Wheel Accessory. If it must be used with that accessory, you must use an IR blocking filter over the camera lens; however, the results may not be as good as if a monochrome camera were used.
- ▶ With all models of the DCS 200, you can manually set the ISO only to values supported by the camera system; for the DCS 200IR those

.

include 100, 200, 400, and 800. However, with all models you are allowed to use the Nikon N8008s camera exposure compensation to extend exposure selections. The table below suggests initial values for several lighting conditions using exposure compensation; using these values allow you to gain several stops. (If you were to shoot outside without exposure compensation, the results would be significantly overexposed.)

Lighting Conditions	Suggested Initial Nikon N8008s Exposure Compensation Value for the DCS 200IR Camera with no filter
Daylight — sunny	-1.7 (use a lower value for cloudy conditions)
Tungsten	-2.7
Fluorescent	-0.7

- ▶ We recommend that you bracket to try to ensure proper exposure.
- ▶ If you use filters that block visible light, the Nikon N8008s light meter and autofocus will not work. However, both should work if you use a #25 Red Filter over the camera lens.
- ▶ Many publications contain information about IR photography and IR filters. For example, the "Handbook of KODAK Photographic Filters," CAT No 152 8108, Kodak Publication B-3, includes a variety of data on Kodak filters, including filters intended for use in IR photography. These filters can be used with the DCS 200IR. This publication can be ordered by contacting Kodak Advertising Distribution 8:00 a.m. to 5:00 p.m. (eastern time zone), Monday through Friday, at 1-800-233-1650 (fax 1-716-588-4807).

.....

Appendix D — Repackaging Instructions for the KODAK Professional DCS 200 Digital Camera

If you are having difficulties using your KODAK Professional DCS 200 Digital Camera, **please contact a Kodak representative before returning your unit for service.** (In the United States, call the Kodak Information Center (KIC) at 1-800-242-2424, extension 77, between the hours of 8:00 a.m. and 8:00 p.m., eastern time zone, Monday through Friday. In other countries, call your nearest Kodak representative.) **If service is required, your Kodak representative will instruct you how to return the unit to the nearest service center for repair and will issue a return authorization number.**

Also, please make sure that you have filled out and returned your Warranty Registration card; warranty service will not be provided without return of the Warranty Registration card or dated proof of purchase.

If you need to repackage your Camera to ship it in for repair, please follow these instructions, **being sure to use the original shipping carton and packing materials.** (If the original packaging has been discarded or is not available, packing will be at the owner's expense.)

For system testing and calibration after repair, **all major system components (Nikon camera body, DCS 200 Camera back, cables, and AC adapter/charger) must be returned together.**

IMPORTANT: DO NOT PACKAGE LENSES, SOFTWARE, OR MANUALS.

1. Fill out the enclosed KODAK Professional DCS 200 Digital Camera Problem Report Form (Appendix E). Be certain your return address is complete.

.

2. Disconnect all cables from the DCS 200 Camera.
3. Remove the lens from the Nikon camera body.
4. Cover the lens opening with the camera body cap.
5. Insert the Nikon camera body and the DCS 200 camera back into the static shielding bag and seal the bag with tape.
6. Place all major system components (see above) into their appropriate locations within the original shipping carton.
7. Place the completed Problem Report Form on the top of (inside) the shipping carton.
8. Close and seal the shipping carton with tape.
9. Ship as instructed by your Kodak representative.

.....

Appendix E — KODAK Professional DCS 200 Digital Camera Problem Report Form

Customer Return Address

Name _____
Company _____
Address _____

City _____ State _____ Zip _____
Phone () _____

Equipment Description

DCS 200 Camera Serial Number — K _____

(See the bottom of the DCS 200 Camera next to "S/N." DCS 200 serial number begins with a "K.")

Problem Description

.

Eastman Kodak Company ("Kodak") reserves the right to change this information without notice. The information contained herein is based on the experience and knowledge relating to the subject matter gained by Kodak prior to publication, but Kodak makes no warranty, express or implied, with respect to this information. Kodak shall not be liable for any loss or damage, including consequential or special damages, resulting from the use of this information, even if loss or damage is caused by Kodak's negligence or other fault.

This publication contains proprietary information of Kodak or its licensors and is their exclusive property. No use may be made of it except according to a written agreement with Kodak. No patent or other license is granted by this information.

.
Use of the accompanying software is subject to Kodak's Software License Agreement, which contains Kodak's limitation of liability terms.

APPLE COMPUTER, INC. ("APPLE") MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE APPLE SOFTWARE. APPLE DOES NOT WARRANT, GUARANTEE OR MAKE ANY REPRESENTATIONS REGARDING THE USE OR THE RESULTS OF THE USE OF THE APPLE SOFTWARE IN TERMS OF ITS CORRECTNESS, ACCURACY, RELIABILITY, CURRENTNESS OR OTHERWISE. THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE OF THE APPLE SOFTWARE IS ASSUMED BY YOU. THE EXCLUSION OF IMPLIED WARRANTIES IS NOT PERMITTED BY SOME STATES. THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

IN NO EVENT WILL APPLE, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE TO YOU FOR ANY CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES (INCLUDING DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, AND THE LIKE) ARISING OUT OF THE USE OR INABILITY TO USE THE APPLE SOFTWARE EVEN IF APPLE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. Apple's liability to you for actual damages from any cause whatsoever, and regardless of the form of the action (whether in contract, tort (including negligence), product liability or otherwise), will be limited to \$50.



PROFESSIONAL
I M A G I N G

EASTMAN KODAK COMPANY • ROCHESTER, NY 14650

KODAK Professional DCS 200 Digital Camera
Part No. **951880** Kodak is a trademark.

Revised 10-93
Printed in U.S.A.

Important information—using an external hard disk

Since the printing of the supplement, "Using an External Hard Disk with a Computer," changes have occurred that affect the way you use the MASS Microsystems HitchHiker external hard drive with a computer.

► The KODAK Accessory

The KODAK External Drive Power Supply and Terminator Accessory may be used with MACINTOSH Computers or with IBM PC/compatibles. The Accessory is approved for worldwide use and includes:

- ✓ a Power Supply,
- ✓ a Line Cord (replaceable for different outlet voltages, 100 or 240 V),
- ✓ a 25-pin Terminator.

You must use the 25-pin Terminator if you are transferring images from the external hard drive to:

- an IBM PC/compatible or
- a MACINTOSH Computer requiring a cable connection to the HitchHiker.

Recent changes

► The 25-pin Terminator

The 25-pin Terminator is now packaged with the DCS 200 Digital Camera (refer to the DCS 200 user's manual for its application with the Camera). In addition, you can order the Terminator by calling KODAK Parts Services. The Terminator's part number is 966158.

► MASS Microsystems offers a power supply

A power supply is now offered by MASS Microsystems. If a power supply was not included with your HitchHiker hard drive, check with MASS Microsystems for its:

- availability and
- supported use with your computer and outlet voltage.

Remember, electrical service—different outlet voltages (100 V / 240 V) may vary from location to location where you intend to use the equipment.

► Connecting the external hard disk directly

MASS Microsystems no longer supports the connection of a HitchHiker external drive to a MACINTOSH Computer using the power from the ADB port (pages 18-19 of the supplement). Instead, you must use one of the available power supplies. The note on page 19 of the supplement describes that connection for the KODAK External Drive Power Supply.



PROFESSIONAL
IMAGING

Supplement to the KODAK Professional DCS 200 Digital Camera User's Manual

Using an External Hard Disk with a Computer

This supplement and the accompanying software are protected by United States and international copyright laws. You may make one backup copy of the enclosed software and one copy of this supplement. Do not make additional copies of the software or copies of the supplement or electronically transmit them in any form whatsoever, in whole or in part, without the prior written permission of Eastman Kodak Company.

This page is intentionally blank.

Important Safeguards and Precautions

Please refer to the front of the DCS 200 User's Manual for other safeguards and precautions.

- **Heed Warnings**—Heed all warnings on the equipment and in the operating instructions.
- **Retain the instructions and the packaging**—Retain the safety and precautions' instructions for future reference. Retain the packaging for use if the equipment needs to be shipped.
- **Handling**—Do not drop the MASS Microsystems HitchHiker disk drive.
- **Water and moisture**—Do not use the External Drive Power Supply near water—for example, near a sink, or in a wet room or basement.

WARNING: Do not use the equipment in rain and do not immerse the equipment in water or other liquids.

- **Object or liquid entry**—Never push foreign objects of any kind into the equipment openings. The objects could touch dangerous voltage points or short out parts and cause a fire or electric shock. Never spill liquid of any kind on the equipment.
- **Power sources**—You should operate the External Drive Power Supply only from the type of power source indicated. If you are not sure of the type of AC power that will be used, consult a dealer or local power company. Be certain the switch on the bottom of the External Drive Power Supply is set to match the available power source.
- **Single-use**—Use the External Drive Power Supply only with the MASS Microsystems HitchHiker drives. Other brands may be damaged by the External Drive Power Supply.
- **Power cord protection**—Route the External Drive Power Supply and other cords so that you are not likely to walk on them or pinch them with items placed on or against them; pay particular attention to the cords at plugs, receptacles, and the point where they leave the equipment.
- **Grounding**—The External Drive Power Supply is equipped with a three-wire grounding type plug with a third (grounding) pin. The three wire plug will fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace the obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

- **Lightning**—To protect the equipment during a lightning storm, or any time when you will leave the equipment unattended and unused for long periods of time, unplug the External Drive Power Supply from the power outlet. This will protect the equipment from damage caused by lightning or power-line surges.
- **Temperature**—MASS Microsystems recommends operating the external hard disk between 41 °F and 131°F, 8 to 85 percent humidity, and 79° F maximum wet bulb temperature, non-condensing.
- **Servicing**—Do not attempt to service the equipment yourself. Opening or removing covers may expose you to dangerous voltage or other hazards.
- **Damage requiring service**—If the External Drive Power Supply housing has been damaged (cracked or broken open)—unplug the External Drive Power Supply from the wall outlet to avoid exposure to dangerous voltage.

NOTE: Refer to the warranty statement at the back of this supplement for additional information regarding the service of your equipment. KODAK does not service the external hard disk. If you have service questions on the MASS Microsystems HitchHiker, refer to the MASS Microsystems' HitchHiker User's Manual.

Table of Contents

Section A: General Information

Important Safeguards and Precautions	3
List of figures	6
Introduction	7
Whom this supplement is for	7
Determining if you need to purchase the Accessory	8
Supported external hard disks	9
What's included with the Accessory	10
Other items that may be needed, but are not included	11
Updating the DCS 200 Camera's software and firmware	12
Attaching the external hard disk to a camera	12
External Drive Power Supply voltage settings	13

Section B: Using an external hard disk with a MACINTOSH

MACINTOSH Computer SCSI connections	14
Supported MACINTOSH Computers	14
Special MACINTOSH connections	15
Setting the SCSI ID on the external hard disk	17
Connecting the external hard disk directly	18
Using a SCSI cable when the external hard disk is the sole device	20
When the external hard disk is attached via a SCSI chain	21
Accessing images from the external hard disk	22

Section C: Using an external hard disk with a PC

IBM PC or compatible computer SCSI connections	23
Setting the SCSI ID on the external hard disk	24
Using a SCSI cable when the external hard disk is the sole device	25
When the external hard disk is attached via a SCSI chain	26
Accessing images from the external hard disk	27

Section D: Reference

Troubleshooting	28
Software License Agreement	31
Warranty	34
Index	37

List of figures

Figure 1: External Drive Power Supply & Terminator Accessory	11
Figure 2: External Drive Power Supply voltage settings	13
Figure 3: PowerBook termination	16
Figure 4: Setting the SCSI ID on the external hard disk for MACINTOSH Computer use	17
Figure 5: Connecting the external hard disk to MACINTOSH Computer.....	18
Figure 6: Connecting the ADB power cable to the MACINTOSH Computer	19
Figure 7: MACINTOSH SCSI connection: external hard disk is the sole device	20
Figure 8: MACINTOSH SCSI connection: external hard disk attached in a SCSI chain.....	21
Figure 9: Setting the SCSI ID on the external hard disk for IBM PC use	24
Figure 10: IBM PC or compatible computer SCSI connection: external hard disk is the sole device	25
Figure 11: IBM PC or compatible computer SCSI connection: external hard disk in a SCSI chain	26

Introduction

Whom this supplement is for

This supplement is intended for users of the KODAK Professional DCS 200 Digital Camera while using an external hard disk with either a MACINTOSH Computer, or IBM PC or compatible computer.

The supplement provides instructions for using an external hard disk with your computer along with the KODAK External Drive Power Supply and Terminator Accessory. This supplement:

- Explains how to determine when you should use the External Drive Power Supply and Terminator Accessory.
- Lists the supported external hard disks that can be used.
- Refers you to the DCS 200 User's Manual for a description on how to connect the hard disk to your DCS 200 Camera.
- Shows you how to select the SCSI identification on the external hard disk.
- Shows you how to connect the computer, the external hard disk, and the External Drive Power Supply and Terminator Accessory when the external hard disk is used as the sole device, or as part of a SCSI chain.
- Describes how to access images from the external hard disk from within the driver for ADOBE Photoshop Software or ALDUS PhotoStyler Software.

IMPORTANT: Do not connect the external hard disk to the DCS 200 Camera while connected to the KODAK Color Filter Wheel Accessory.

Do not connect the external hard disk and the DCS 200 Camera to a computer **at the same time**.

Determining if you need to purchase the External Drive Power Supply and the Terminator Accessory

- You must always use the External Drive Power Supply and Terminator Accessory when transferring images from an external hard disk drive to an IBM PC or compatible computer.
- We recommend you use the Accessory when using an external hard disk drive with all MACINTOSH models, except the MACINTOSH IIx. The Power Supply portion of the Accessory can be used with this model, see "Special MACINTOSH connections" in this supplement.
- It may be possible with some MACINTOSH models, equipped with a standard keyboard and mouse, to transfer images from an external hard disk drive to the computer, without having to use the Accessory. This is accomplished by connecting the external hard disk drive directly to the computer's SCSI port (or via an 18-inch, 30-pin to 25-pin cable in the PowerBook's case) along with connecting the ADB power cable (supplied with the external hard disk drive), between the computer and the external hard disk drive.
- Refer to the list on page 14 of the MACINTOSH Computers* that we have tested with the HitchHiker hard disk drive. With the exception of the Quadra 900 and 950, all of these models may allow you to transfer images from an external hard disk drive to the computer without using the Accessory. If the direct connection method does not work (i.e., the external hard disk drive fails to spin up), then you must purchase the External Drive Power Supply and Terminator Accessory to transfer images from an external hard disk drive to your MACINTOSH Computer.

***NOTE:** For compatibility with other MACINTOSH Computers, check the MASS Microsystems HitchHiker User's Manual or call MASS Microsystems' customer service center.

Supported external hard disks

This supplement supports the use of the MASS Microsystems HitchHiker hard disk drive only. The HitchHiker is sold separately and is not available from Eastman Kodak Company.

The following hard disks are supported by the KODAK Professional DCS 200 Digital Camera:

- MASS Microsystems HitchHiker 120 Megabyte (MB) Hard Disk Drive, model HK120. Holds 75 images.
- MASS Microsystems HitchHiker 80 Megabyte (MB) Hard Disk Drive, model HK80. Holds 50 images.
- MASS Microsystems HitchHiker 40 Megabyte (MB) Hard Disk Drive, model HK40. Holds 22 images.

IMPORTANT: These hard disks are preformatted and loaded with MACINTOSH system software, and can be used as a general-purpose storage device for that computer. However, once attached to the DCS 200 Camera, the hard disk no longer functions as a general-purpose hard disk for the MACINTOSH Computer (unless reformatted with MASS Microsystems' utility software). Once the hard disk has been used with the DCS 200 Camera, you can only access image data with a MACINTOSH Computer or a PC with the supplied software driver for ADOBE Photoshop Software or ALDUS PhotoStyler Software. This means you must copy any files you want to preserve from the hard disk *before* you attach the hard disk to the DCS 200.

What's included with the Accessory

The External Drive Power Supply and Terminator Accessory, CAT No. 834 3790, consists of:

- External Drive Power Supply part number 966980
- 25-pin terminator, part number 966158,
- Line Cord,* part number 480779,
- This supplement, part number 692238,
- Software Package; includes:
 - KODAK Driver for ADOBE Photoshop Software (3.5-in.), part number 966319
 - KODAK Driver for ALDUS PhotoStyler Software (3.5-in.), part number 966320
 - KODAK Driver for ALDUS PhotoStyler Software (5.25-in.), part number 951877.

* The part number for the Line Cord shown here is for the North American configuration. The line cord will vary in plug configuration from country to country depending on the AC outlet used.

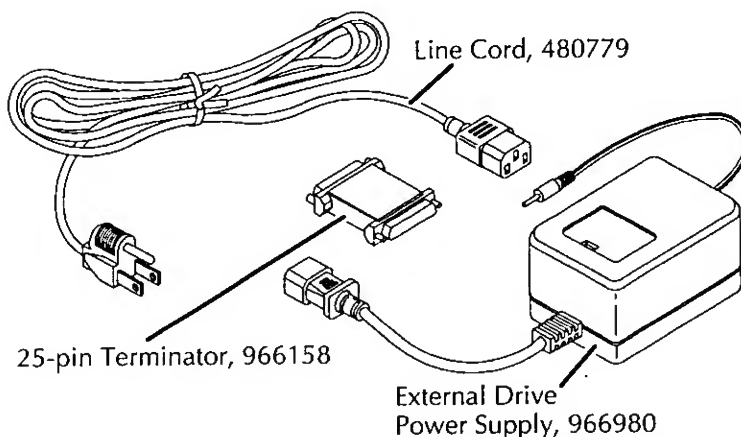


Figure 1—External Drive Power Supply & Terminator Accessory, CAT No. 834 3790

Other items that may be needed, but are not included

- MASS Microsystems HitchHiker external hard disk,
- 25-pin to 25-pin SCSI cable,*
- 50-pin high density (HD) to 25-pin SCSI cable,*
- 50-pin to 25-pin SCSI cable,*
- 30-pin to 25-pin PowerBook SCSI cable,
- SCSI extender (supplied with the external hard disk),
- ADB power cable (supplied with the external hard disk),
- SCSI host adapter boards (see the DCS 200 User's Manual for details).

*These cables are supplied with the KODAK Professional DCS 200 Digital Camera.

Updating the DCS 200 Camera's software and firmware

Before you use the external hard disk with your DCS 200 Digital Camera, and before you use it with your computer to obtain images, you must update the KODAK Professional DCS 200 Digital Camera's software and firmware to the latest versions.

Refer to the DCS 200 Camera's User's Manual for the procedures to do the software installation and firmware update. (see, "Installing the KODAK Driver for ADOBE Photoshop Software," "Installing the KODAK Driver for ALDUS PhotoStyler Software," and "Updating Camera Firmware in the DCS 200 Camera.")

Attaching the external hard disk to a camera

The DCS 200 Camera's User's Manual describes how to attach an external hard disk to your camera in the section, "Using the DCS 200 Camera with an external hard disk drive."

External Drive Power Supply voltage settings

CAUTION: An improperly selected voltage could injure you and seriously damage the equipment. Before plugging in your Power Supply, be sure to set the SELECTOR SWITCH for the electrical service for the country where you are using the Accessory.

To set the voltage:

1. Unplug the External Drive Power Supply from the Line Cord.
2. Use the tip of a ball-point pen to:
 - a. Slide the SELECTOR SWITCH to the 100 VAC position for use with 100 and 120 volt service or
 - b. Slide the SELECTOR SWITCH to the 240 VAC position for use with 220 and 240 volt service.

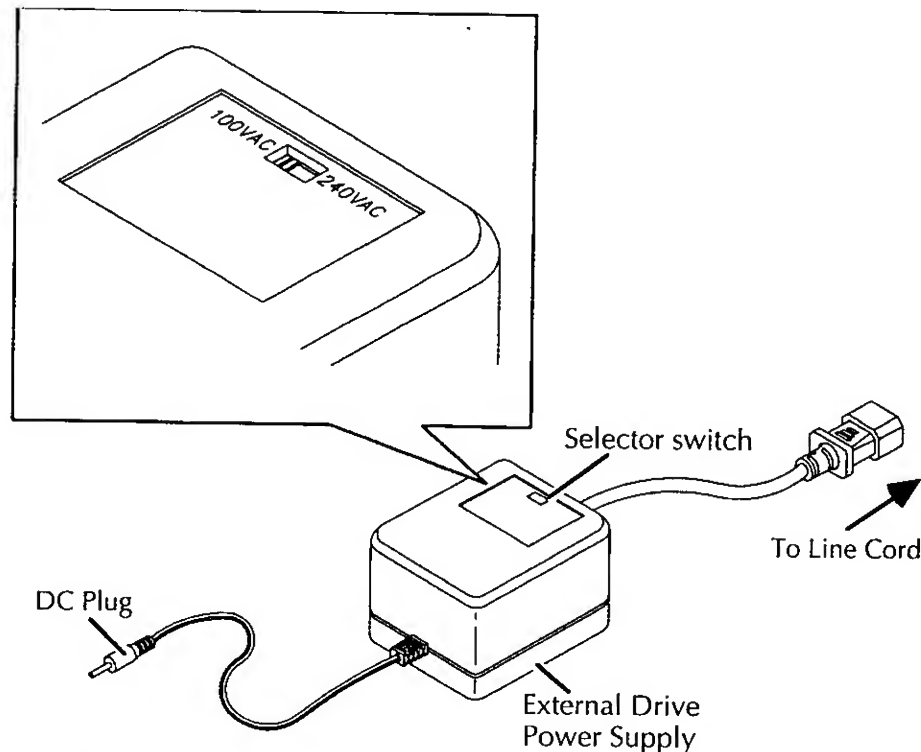


Figure 2—External Drive Power Supply voltage settings

MACINTOSH Computer SCSI connections

In this section you will learn how to set the SCSI ID on your external hard disk, and connect it to your MACINTOSH Computer.

Read the user's guide and reference manual that accompany your MASS Microsystems' external hard disk drive so that you will be familiar with its operation before you use it with the External Drive Power Supply and Terminator Accessory.

Instructions are included here for connecting a HitchHiker disk to your MACINTOSH Computer.

Supported MACINTOSH Computers

We have tested the MASS Microsystems' HitchHiker external hard disk with the following APPLE Computers:

- MACINTOSH II
- MACINTOSH IIci
- MACINTOSH IIcx
- MACINTOSH IIfx*
- MACINTOSH IIsi
- MACINTOSH IIvx
- MACINTOSH IIx
- MACINTOSH LC
- MACINTOSH PowerBook*
- MACINTOSH Quadra (models 900 and 950)*

* See "Special MACINTOSH Connections" on page 15 for more information.

NOTE: For compatibility with other MACINTOSH Computers, check the MASS Microsystems HitchHiker User's Manual or call MASS Microsystems' customer service center.

Special MACINTOSH connections

MACINTOSH IIx

The 25-pin terminator that is supplied with the External Drive Power Supply and Terminator Accessory cannot be used with the MACINTOSH IIx. The 25-pin terminator can cause the MACINTOSH IIx Computer to “crash.” To resolve this problem, you must connect the external hard disk directly to the MACINTOSH IIx and use the ADB power cable, or the External Drive Power Supply to power the external hard disk.

MACINTOSH Quadra

The external hard disk may not be able to physically connect (even with the SCSI extender) to the SCSI port on the back of the computer. In this case, use a 25-pin to 25-pin SCSI cable (a maximum cable length of 6 feet) to connect them together. Be sure to use the External Drive Power Supply and Terminator Accessory to provide power to the external hard disk.

NOTE: There may be some Quadra computer models where the external hard disk will directly connect to them. You will have to check the back of your computer to see if a direct connection is possible.

MACINTOSH PowerBook

You can operate the PowerBook with two 25-pin terminators and the External Drive Power Supply or without the 25-pin Terminator (using the 18-inch, 30-pin to 25-pin cable and the ADB power cable). When you use the two 25-pin terminators, you will have to obtain the second 25-pin terminator from a computer supply company (see below for a suggested company—there may be others).

If you use a PowerBook in stand-alone mode you will need an 18-inch, 30-pin to 25-pin cable. The 18-inch, 30-pin to 25-pin PowerBook cable is manufactured by INTEREX, and can be obtained from a computer supply company.

You can order the 25-pin terminator from KODAK Parts Services 24 hours a day, 7 days a week (except midnight to 7:00 a.m. Sunday morning) at **1-800-431-7278 (FAX 1-716-588-3051)**.

The part number for the 25-pin terminator is **966158**.

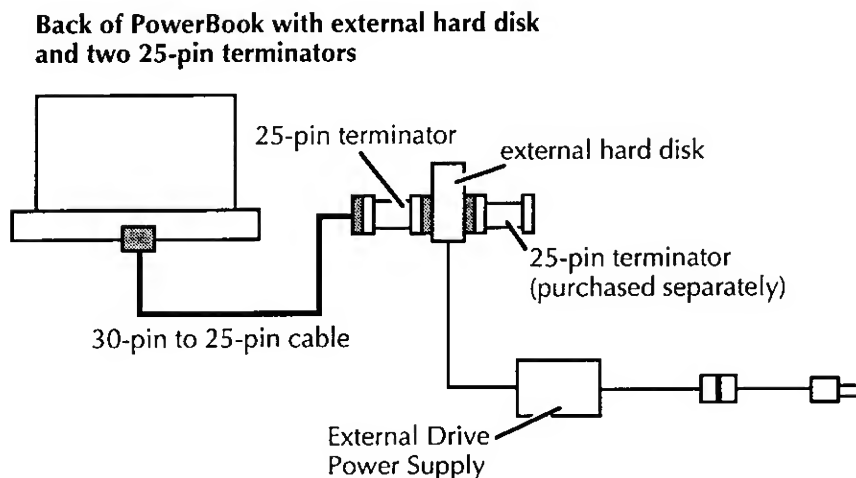


Figure 3—PowerBook termination

Setting the SCSI ID on the external hard disk

In these steps you will set the SCSI identification (ID) number for the external hard disk. Each SCSI device connected to the same computer must have a different ID number. Your MACINTOSH Computer is number 7, and the internal hard disk on your computer is probably number 0. Therefore, avoid numbers 0 and 7, since the external hard disk must have a unique SCSI ID.

In addition, the numbers 8 and 9 on the external hard disk are not valid SCSI ID numbers and should never be used. Do not use the same SCSI ID of a device that is in the SCSI chain because this will cause SCSI ID conflicts.

IMPORTANT: The external hard disk should be disconnected from the DCS 200 Camera before it is connected to your computer. The DCS 200 Camera and the external hard disk should not both be connected to your computer at the same time (even in a SCSI chain).

1. If the external hard disk is still connected to the DCS 200 Camera, disconnect it now as described in "Removing an external hard disk" in the DCS 200 Camera's User's Manual.
2. Locate the SCSI ID SELECTOR SWITCH on the side of the external hard disk. Note that an arrow in the center of the SELECTOR points to the current SCSI ID setting.
3. If a different SCSI ID setting is desired, use a small screwdriver to turn the SELECTOR until the arrow points to the SCSI ID you want.

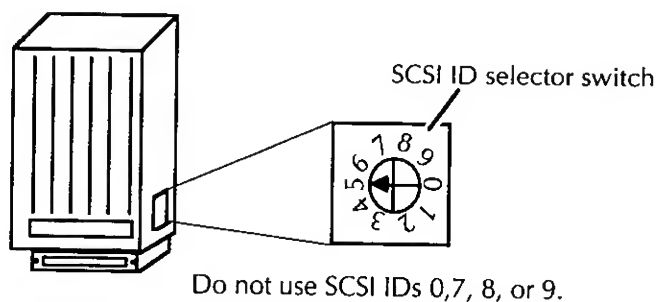


Figure 4—Setting the SCSI ID on the external hard disk for MACINTOSH Computer use

Connecting the external hard disk directly

In normal usage you may connect and disconnect the external hard disk from the MACINTOSH Computer on a regular basis; for this reason you may want to position your computer so that its SCSI connector is readily accessible.

IMPORTANT: You must supply power to the external hard disk before you turn on the power for your computer. Failure to do so, could result in the computer "hanging up" (you will have to re-start your computer).

Follow these steps to connect the external hard disk directly to your computer.

1. Set the SCSI ID on the external hard disk (see the previous page).
2. Turn off your MACINTOSH Computer and any connected devices.
3. If other SCSI devices are connected to your computer, disconnect the chain at the computer.
4. If the external hard disk is connected to your camera, remove it.
5. Connect the external hard disk directly to the SCSI port on your computer (hand-tighten the thumbscrews on the external hard disk); no cable is necessary. (You may need to use the SCSI extender provided with the HitchHiker as a spacer with some computers.)

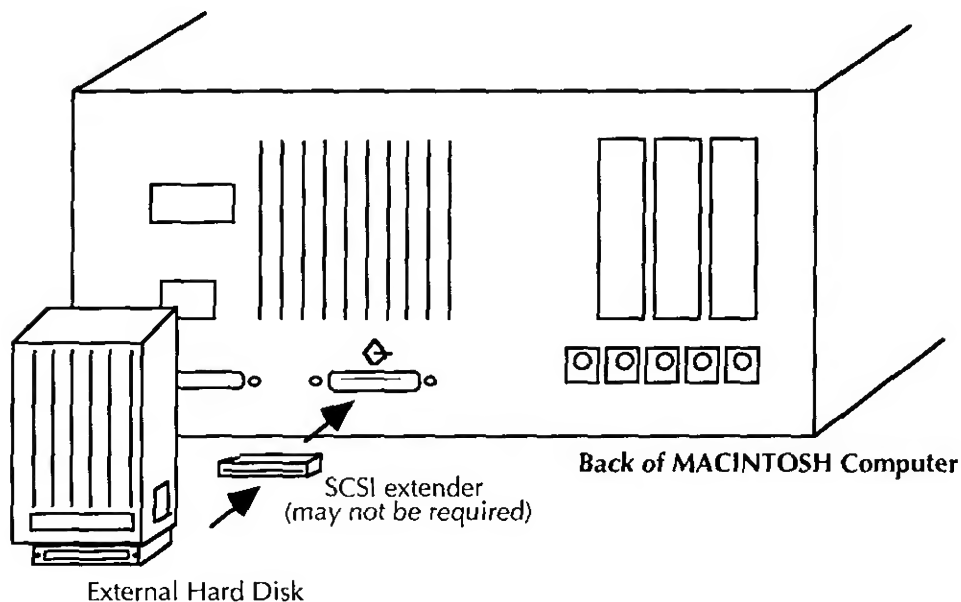


Figure 5—Connecting the external hard disk to MACINTOSH Computer

- 6.* Locate the ADB port on the back of your computer and disconnect the keyboard (or mouse) cable from the port.
7. Connect the ADB power cable to an ADB port and to the small connector on the side of the external hard disk as shown below. (The cable provides additional power to the external hard disk.)
8. Plug the keyboard (or mouse) cable into the ADB power cable as shown below.
9. Turn on the power for your MACINTOSH Computer.

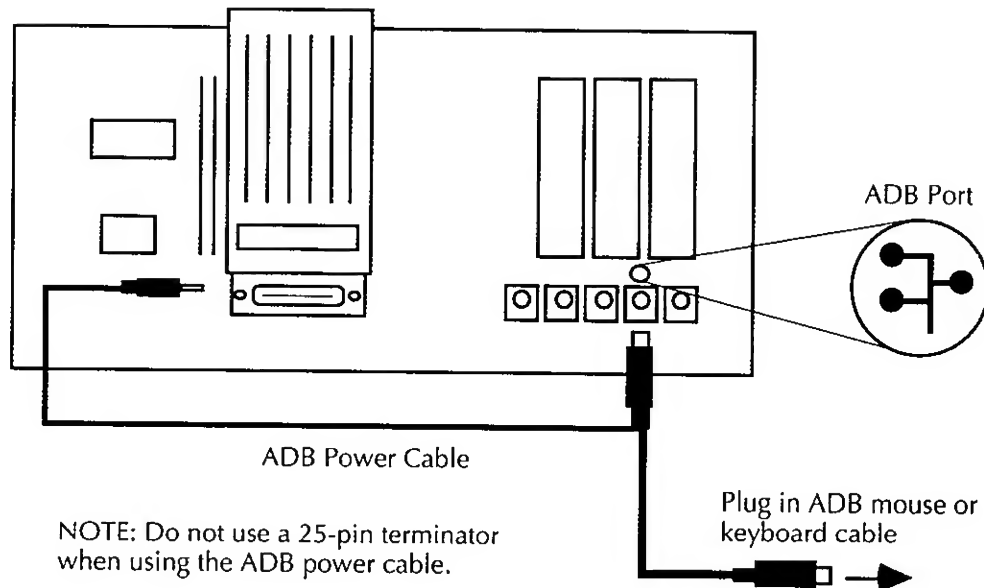


Figure 6—Connecting the ADB power cable to the MACINTOSH Computer

***NOTE:** The External Drive Power Supply can be used in place of the ADB power cable. If you do this, replace steps 6 through 8 above, with steps 6 through 9 on the next page—"Using a SCSI cable when the external hard disk is the sole device."

Using a SCSI cable when the external hard disk is the sole device

IMPORTANT: You must supply power to the external hard disk **before** you turn on the power for your computer. Failure to do so could result in the computer "hanging up" (you will have to re-start your computer). The following procedure does not apply to the MACINTOSH IIx Computer.

1. Turn off the computer.
2. Remove the external terminator from the computer (if present).
3. Connect one end of the 25-pin SCSI cable to the computer.
4. Connect the 25-pin terminator to the external hard disk using the thumbscrews on the hard disk to hold the terminator in place. Be sure to tighten (hand-tight) the thumbscrews.
5. Connect the other end of the 25-pin SCSI cable to the other side of the external hard disk.
6. Set the proper voltage on the External Drive Power Supply. Refer to the directions on page 13 of this supplement.
7. Insert the DC plug of the External Drive Power Supply into the socket of the external hard disk.
8. Connect the Line Cord to the External Drive Power Supply.
9. Insert the AC plug into the wall socket. The external hard disk will spin up.
10. Turn on the power for your MACINTOSH Computer.

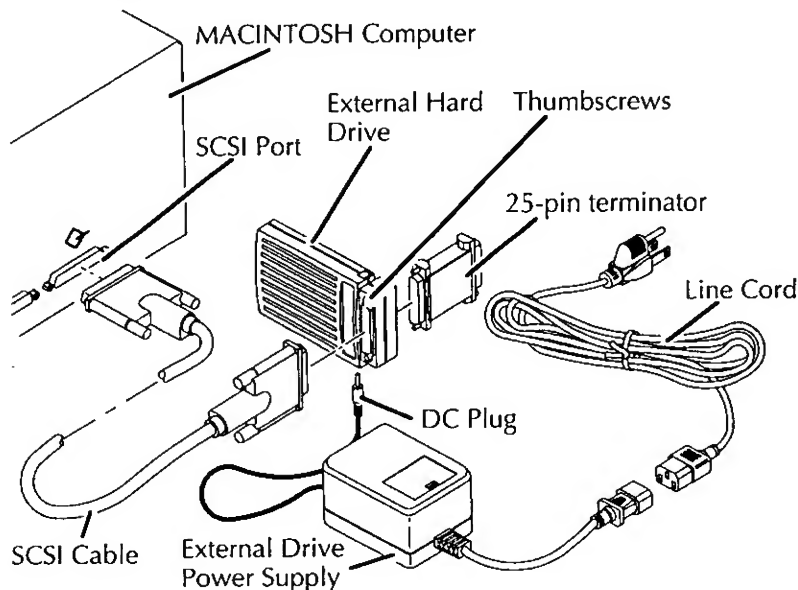


Figure 7—MACINTOSH SCSI connection: external hard disk is the sole device

When the external hard disk is attached via a SCSI chain

IMPORTANT: You must supply power to the external hard disk **before** you turn on the power for your computer. Failure to do so could result in the computer "hanging up" (you will have to re-start your computer). The external hard disk **must** be the last device connected in the SCSI chain. The following procedure does not apply to the MACINTOSH IIfx Computer.

1. Turn off the computer and all the devices in the SCSI chain.
2.
 - a. If the last device is internally terminated, de-activate or remove the device's internal terminator (refer to that device's user's manual to do it).
 - b. If the last device is externally terminated, remove the external terminator.
3. Connect the 50-pin end of the SCSI cable to the last device's SCSI port.
4. Connect the 25-pin terminator to the external hard disk using the thumbscrews on the hard disk to hold the terminator in place. Be sure to tighten (hand-tight) the thumbscrews.
5. Connect the 25-pin end of the SCSI cable to the other side of the external hard disk.
6. Set the proper voltage on the External Drive Power Supply. Refer to the directions on page 13 of this supplement.
7. Insert the DC plug of the External Drive Power Supply into the socket of the external hard disk.
8. Connect the Line Cord to the External Drive Power Supply.
9. Insert the AC plug into the wall socket. The external hard disk will spin up.
10. Turn on the power for your MACINTOSH Computer and the peripheral devices.

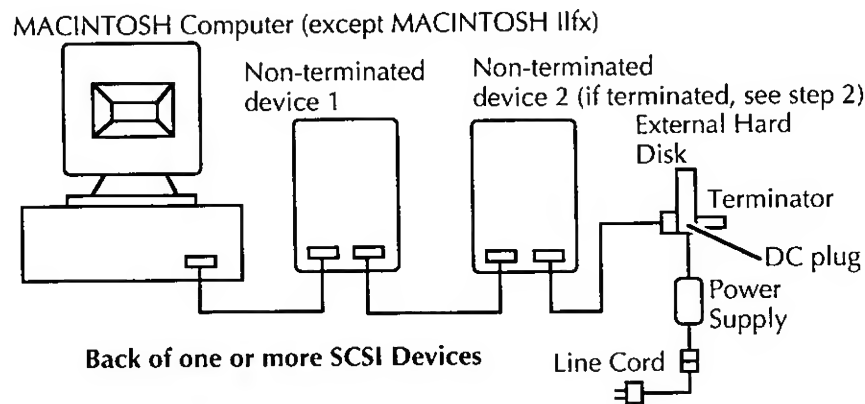


Figure 8—MACINTOSH SCSI connection: external hard disk attached in a SCSI chain

Accessing images from the external hard disk

Once the external hard disk is connected to your MACINTOSH Computer, all of the functionality of the KODAK Driver for ADOBE Photoshop Software is available to you. This includes observing thumbnails and previews of images, correcting color, acquiring images, deleting selected images, copying or moving selected images to archive files, erasing the hard disk, recovering the hard disk, formatting the hard disk, and so on. To access these features, follow these steps:

1. If your MACINTOSH Computer is off, turn it on. (There is no separate on/off switch for the external hard disk.)
2. Run ADOBE Photoshop.
3. Pull down the ADOBE Photoshop FILE menu and choose KODAK DCS 200 from the ACQUIRE submenu. (The submenu may show other options.)

The image window opens and displays thumbnails from the external hard disk. If the Driver is displayed in the FILE mode, change the SOURCE to EXT DISK.

4. Perform all functions in the same way that you would do for an internal hard disk in the Camera. Refer to the DCS 200 Digital Camera's User's Manual, "Using the DCS 200 Camera with a MACINTOSH Computer " for more details.

The following steps are the only differences when using the external hard disk rather than the Camera's hard disk. Otherwise, you use the external hard disk just like the DCS 200 Camera's internal hard disk.

5. (Optional step) Switch to an archive file by choosing FILE from the SOURCE pop-up menu.
6. (Optional step) Switch back to the external hard disk by choosing EXT DISK from the SOURCE pop-up menu.
7. Quit Photoshop when you have completed your work.

NOTE: When you remove the external hard disk be sure to turn off the power to the external hard disk, the computer, and any peripherals before you remove the external hard disk.

IBM PC or compatible computer SCSI connections

IMPORTANT: Always use the External Drive Power Supply and Terminator Accessory with an IBM PC or compatible computer.

In this section you will set the SCSI ID on your external hard disk, and connect it to your PC.

Read the user's guide and reference manual that accompany your MASS Microsystem's external hard disk drive so that you will be familiar with its operation before you use it with the External Drive Power Supply and Terminator Accessory.

Instructions are included here for connecting a HitchHiker disk to your IBM PC or compatible computer.

NOTE: For more information on the Future Domain SCSI Host Adapter, refer to the DCS 200 Camera's User's Manual, "Using the DCS 200 Camera with a PC."

Setting the SCSI ID on the external hard disk

These steps explain how to set the SCSI identification (ID) number for the external hard disk. Each SCSI device connected to the same computer must have a different SCSI ID number. Do not use SCSI identification numbers 6 and 7. The Future Domain board uses SCSI ID 6, and the board will not recognize 7 as a valid SCSI ID number. In addition, the numbers 8 and 9 on the external hard disk are not valid SCSI numbers and should never be used.

IMPORTANT: The external hard disk should be disconnected from the DCS 200 Camera before it is connected to your computer. The DCS 200 Camera and the external hard disk should not both be connected to your computer at the same time (even in a SCSI chain).

1. If the external hard disk is still connected to the DCS 200 Camera, disconnect it now as described in, "Removing an external hard disk" in the DCS 200 Camera's User's Manual.
2. Locate the SCSI ID SELECTOR SWITCH on the side of the external hard disk. Note that an arrow in the center of the SELECTOR points to the current SCSI ID setting.
3. If a different SCSI ID setting is desired, use a small screwdriver to turn the SELECTOR until the arrow points to the SCSI ID you want.

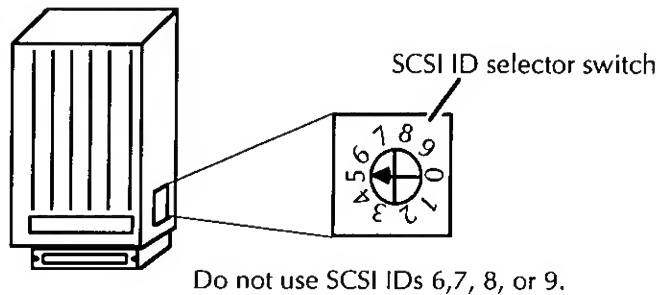


Figure 9—Setting the SCSI ID on the external hard disk for IBM PC Computer use

Using a SCSI cable when the external hard disk is the sole device

IMPORTANT: You must supply power to the external hard disk **before** you turn on the power for your computer. Failure to do so could result in the computer “hanging up” (you will have to re-start your computer). The external hard disk **must** be the last device in the SCSI chain.

1. Turn off the PC .
2. Connect the 50-pin HD connector of the SCSI cable to the SCSI interface adapter board.
3. Connect the 25-pin terminator to the external hard disk using the thumbscrews on the hard disk to hold the terminator in place. Be sure to tighten (hand-tight) the thumbscrews.
4. Connect the 25-pin end of the SCSI cable to the other side of the external hard disk.
5. Set the proper voltage on the External Drive Power Supply. Refer to the directions on page 13 of this supplement.
6. Insert the DC plug of the External Drive Power Supply into the socket of the external hard disk.
7. Connect the Line Cord to the External Drive Power Supply.
8. Insert the AC plug into the wall socket. The external hard disk will spin up.
9. Turn on the power for your IBM PC or compatible computer.

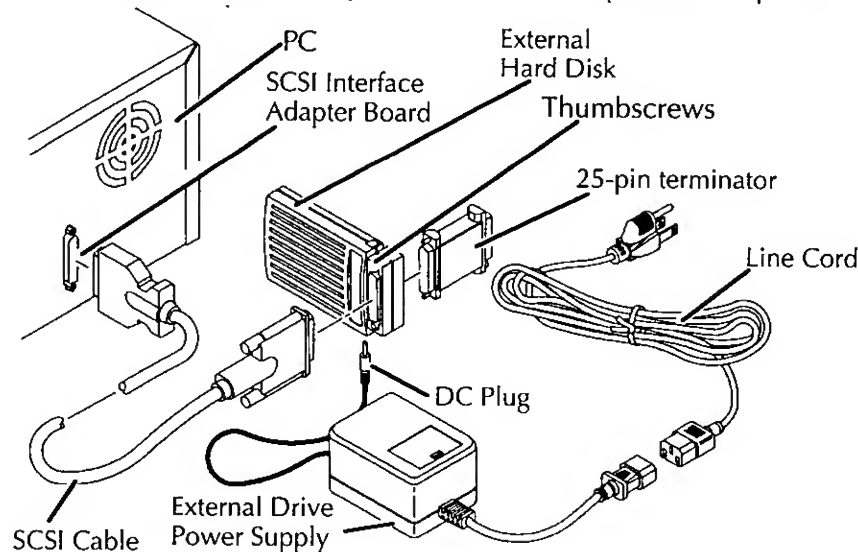


Figure 10—IBM PC or compatible computer SCSI connection: external hard disk is the sole device

When the external hard disk is attached via a SCSI chain

IMPORTANT: You must supply power to the external hard disk **before** you turn on the power for your computer. Failure to do so, could result in the computer “hanging up” (you will have to re-start your computer). The external hard disk **must** be the last device in the SCSI chain.

1. Turn off the computer and all the devices in the SCSI chain.
2.
 - a. If the last device is internally terminated, de-activate or remove the device’s internal terminator (refer to that device’s user’s manual to do it).
 - b. If the last device is externally terminated, remove the external terminator.
3. Connect the 50-pin end of the SCSI cable to the last device’s SCSI port.
4. Connect the 25-pin terminator to the external hard disk using the thumbscrews on the hard disk to hold the terminator in place. Be sure to tighten (hand-tight) the thumbscrews.
5. Connect the 25-pin end of the SCSI cable to the other side of the external hard disk.
6. Set the proper voltage on the External Drive Power Supply. Refer to the directions on page 13 of this supplement.
7. Insert the DC plug of the External Drive Power Supply into the socket of the external hard disk.
8. Connect the Line Cord to the External Drive Power Supply.
9. Insert the AC plug into the wall socket. The external hard disk will spin up.
10. Turn on the power for your computer and the peripheral devices.

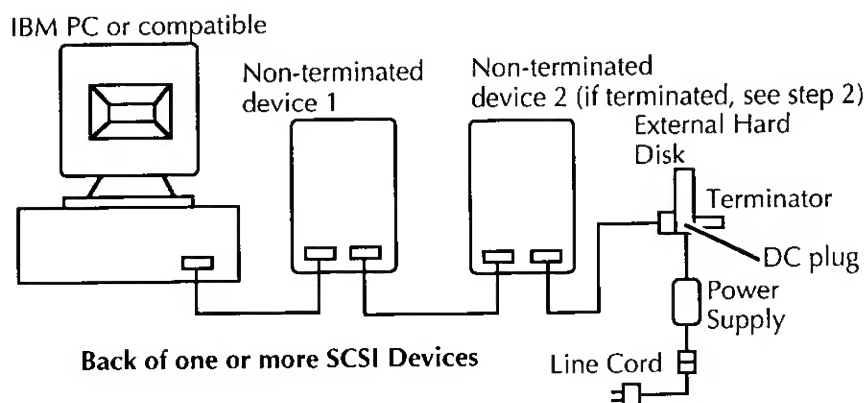


Figure 11—IBM PC or compatible computer SCSI connection: external hard disk in a SCSI chain

Accessing images from the external hard disk

Once the external hard disk is connected to your PC, all of the functionality of the driver for ALDUS PhotoStyler Software is available to you. This includes observing thumbnails and previews of images, correcting color, acquiring images, deleting selected images, copying or moving selected images to archive files, erasing the hard disk, recovering the hard disk, formatting the hard disk, and so on. To access these features, follow the steps below:

1. If your PC is off, turn it on. (There is no separate on/off switch for the external hard disk.)
2. Run ALDUS PhotoStyler.
3. Pull down the ALDUS PhotoStyler FILE menu and choose KODAK DCS 200 from the IMPORT submenu. (The submenu may show other options.)

The image window opens and displays thumbnails from the external hard disk. If the Driver is displayed in the FILE mode, change the SOURCE to EXT DISK.

4. Perform all functions in the same way that you would do for an internal hard disk in the Camera. Refer to the DCS 200 Digital Camera's User's Manual, "Using the DCS 200 Camera with a PC" for more details.

The following steps are the only differences when using the external hard disk rather than the Camera's hard disk. Otherwise, you use the external hard disk just like the DCS 200 Camera's internal hard disk.

5. (Optional step) Switch to an archive file by choosing FILE from the SOURCE drop-down list box.
6. (Optional step) Switch back to the external hard disk by choosing EXT DISK from the SOURCE drop-down list box.
7. Quit PhotoStyler when you have completed your work.

NOTE: When you remove the external hard disk be sure to turn off the power to the external hard disk, the computer, and any peripherals before you remove the external hard disk.

Troubleshooting

If you are experiencing difficulty using the computer with the external hard disk, refer to the following troubleshooting table. For service problems (repair or replacement of malfunctioning equipment) call the KODAK Customer Assistance Center (KCAC) at 1-800-242-2424, extension 77.

Trouble	Possible Cause	Suggested Solution
Problems with the external hard disk—erratic data	SCSI identification conflict; the SCSI ID is incorrectly set.	<p>On MACINTOSH Computers, check to be sure the external hard disk is set to a SCSI identification other than 0 or 7. (SCSI IDs 8 & 9 on the external hard disk are not valid IDs.)</p> <p>On IBM PC or compatible computers, check to be sure the external hard disk is set to a SCSI identification other than 6 or 7. (SCSI IDs 8 & 9 on the external hard disk are not valid IDs.)</p>
Problems reading data from the external hard disk or from the computer.	Turning on the computer before the external hard disk.	Apply power to the external hard disk before turning on the computer. (Try again, if the problem keeps occurring.)
Bad data; lost information in the image; unreadable data.	Corrupted data.	<p>Copy any images you wish to keep to your computer's hard disk.</p> <p>Reformat the external hard disk using the DCS 200's Control Panel (FORMAT).</p> <p>NOTE: All data on the external hard disk will be lost and will not be recoverable.</p>

Trouble	Possible Cause	Suggested Solution
The computer "hangs;" no images displayed.	SCSI cable length is too long.	Shorten the length of the cable(s) that you are using. If you have many devices in a SCSI chain—reduce the number of items and reconnect the chain using less devices.
The MACINTOSH IIfx Computer does not "boot up" (nothing is displayed on the screen).	The MACINTOSH Computer's hard disk could be corrupted (crashed). Incorrect termination.	Connect the external hard disk directly to the back of the MACINTOSH IIfx. Do not use the KODAK supplied terminator with the MACINTOSH IIfx. See the appropriate section in the DCS 200 User's Manual for specifications on the MACINTOSH IIfx.
The MACINTOSH PowerBook "hangs" or cannot "boot."	Using the PowerBook with the ADB power cable connected to the external hard disk. SCSI cable length is too long.	<ol style="list-style-type: none"> 1. Remove all external terminators or, 2. Use 2 external terminators and the External Hard Disk Power Supply and Terminator Accessory. <p>NOTE: The second terminator is not supplied by KODAK.</p> <p>Use an 18-inch, 30-pin to 25-pin SCSI cable.</p>
The MACINTOSH PowerBook "locks up," is operating erratically; loss of images.	<ol style="list-style-type: none"> 1. Using the 25-pin terminator without the External Drive Power Supply. 2. The External Drive Power Supply is malfunctioning. <p>SCSI cable length is too long.</p>	<ol style="list-style-type: none"> 1. Connect the External Drive Power Supply. 2. Replace the External Drive Power Supply. <p>Use an 18-inch, 30-pin to 25-pin SCSI cable.</p>

Trouble	Possible Cause	Suggested Solution
The external hard disk does not spin up.	1. The power from the ADB may not be enough.	1. Connect the External Driver Power Supply.
	2. Incorrect External Drive Power Supply voltage settings.	2. Set the switch setting to the correct voltage.
	3. Power connections are loose.	3. Secure all connections (make sure there are no loose connections).
	4. The External Drive Power Supply is malfunctioning.	4. Replace the External Drive Power Supply.
The external hard disk is erratic (missing data, etc.).	1. Loose connections in the SCSI chain.	1. Tighten (hand-tight) the terminator's thumbscrews.
	2. Incorrect External Drive Power Supply voltage settings.	2. Set the switch setting to the correct voltage.
	3. Power connections are loose.	3. Secure all connections (make sure there are no loose connections).
	4. The External Drive Power Supply is malfunctioning.	4. Replace the External Drive Power Supply.

EASTMAN KODAK COMPANY Software License Agreement

YOU SHOULD CAREFULLY READ THE FOLLOWING TERMS AND CONDITIONS BEFORE OPENING THE DISKETTE PACKAGE(S). OPENING THE DISKETTE PACKAGE(S) INDICATES YOUR ACCEPTANCE OF THESE TERMS AND CONDITIONS. IF YOU DO NOT AGREE WITH THEM, YOU SHOULD PROMPTLY RETURN THE DISKETTE PACKAGE(S) UNOPENED, ALONG WITH THE ACCOMPANYING MATERIALS.

Eastman Kodak Company (Kodak) provides this software and licenses its use worldwide.

You assume responsibility for selection of the software to achieve your intended results, and for installation, use, and results obtained from the software.

LICENSE

You may:

- a. use the software;
- b. copy the software on one or more computers only for the purpose of operating the equipment with which this software was provided (the "Related Equipment") into any machine-readable form for backup purposes in support of your use of the software;
- c. transfer the software and license to another party to whom you also transfer the Related Equipment, if the other party agrees to accept the terms and conditions of this Agreement. If you transfer the software, you must at the same time either transfer all copies to the same party or destroy any copies not transferred.

You must reproduce and include the copyright notice on any copy of the software.

YOU MAY NOT USE, COPY OR TRANSFER THE SOFTWARE, OR ANY COPY, IN WHOLE OR IN PART, EXCEPT AS EXPRESSLY PROVIDED FOR IN THIS LICENSE.

IF YOU TRANSFER POSSESSION OF THE RELATED EQUIPMENT OR ANY COPY OF THE SOFTWARE TO ANOTHER PARTY, YOUR LICENSE IS AUTOMATICALLY TERMINATED.

TERM

The license is effective until terminated. You may terminate it at any time by destroying the software together with all copies in any form. It will also terminate upon conditions set forth elsewhere in the Agreement or if you fail to comply with any term or condition of this Agreement. You agree upon such termination to destroy the software together with all copies in any form.

LIMITED WARRANTY

Kodak warrants the diskettes on which the software is furnished to be free from defects in materials and workmanship under normal use for a period of ninety (90) days from the date of delivery to you as evidenced by a copy of your receipt.

Kodak does not warrant that the functions contained in the software will meet your requirements or that the operation of the software will be uninterrupted or error free.

THE SOFTWARE IS PROVIDED 'AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO QUALITY AND PERFORMANCE OF THE SOFTWARE IS WITH YOU. IF THE SOFTWARE PROVES DEFECTIVE, YOU (AND NOT KODAK OR YOUR DEALER) ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR, OR CORRECTION.

Some states do not allow the exclusion of implied warranties, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

LIMITATIONS OF REMEDIES

Kodak's entire liability and your exclusive remedy shall be:

1. the replacement of any diskette not meeting Kodak's "Limited Warranty" that is returned to Kodak or your dealer with a copy of your receipt, or
2. if Kodak or the dealer is unable to deliver a replacement diskette that is free of defects in materials or workmanship, you may terminate this Agreement by returning the software.

IN NO EVENT WILL KODAK BE LIABLE TO YOU FOR ANY DAMAGES, INCLUDING ANY LOST PROFITS, LOST SAVINGS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE SOFTWARE EVEN IF KODAK OR YOUR DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY OTHER PARTY.

Some states do not allow the limitation or exclusion of liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you.

GENERAL

You may not sublicense, assign, or transfer the license or the software, except as expressly provided in this Agreement. Any attempt otherwise to sublicense, assign, or transfer any of the rights, duties, or obligations hereunder is prohibited.

This Agreement will be governed by the laws of the State of New York.

Should you have any questions concerning this Agreement, you may contact Kodak at 1-800-242-2424, extension 77.

YOU ACKNOWLEDGE THAT YOU HAVE READ THIS AGREEMENT, UNDERSTAND IT, AND AGREE TO BE BOUND BY ITS TERMS AND CONDITIONS. YOU FURTHER AGREE THAT IT IS THE COMPLETE AND EXCLUSIVE STATEMENT OF THE AGREEMENT BETWEEN US, WHICH SUPERSEDES ANY PROPOSAL OR PRIOR AGREEMENT, ORAL OR WRITTEN, AND ANY OTHER COMMUNICATIONS BETWEEN US RELATING TO THE SUBJECT MATTER OF THIS AGREEMENT.

WARRANTY

External Drive Power Supply and Terminator Accessory

THIS WARRANTY APPLIES TO EQUIPMENT PURCHASED IN THE UNITED STATES.

Warranty time period

Kodak warrants your External Drive Power Supply and Terminator Accessory to be free from malfunctions and defects in both materials and workmanship for 90 days from the date of purchase.

Warranty Repair Coverage

If this equipment does not function properly during the warranty period, due to defects in either materials or workmanship, Kodak will, at its option, either repair or replace the equipment, without charge, subject to the conditions and limitations stated herein. Such repair service will include all labor as well as any necessary adjustments and/or replacement parts.

If replacement parts are used in making repairs, these parts may be remanufactured, or may contain remanufactured materials. If it is necessary to replace the entire system, it may be replaced with a remanufactured system. If it should become necessary to repair or replace a malfunctioning or defective system, the provisions of this warranty shall apply to the repaired or replaced system until the expiration of 30 days from the date of return, or until the end of the original 90 day warranty period, whichever is later.

Kodak will also provide telephone assistance during the warranty period.

Limitations

Warranty service will not be provided without dated proof of purchase. As a condition of warranty service, before sending in your unit to the nearest service center for repair, you must first contact a Kodak representative for return authorization and instructions.

This warranty becomes null and void if, during shipment, you fail to pack your External Drive Power Supply and Terminator Accessory in a manner consistent with the original packaging.

This warranty does not cover the following: circumstances beyond Kodak's control; service or parts to correct problems resulting from the use of attachments, accessories or alterations not marketed by Kodak; unauthorized modifications or service; misuse; abuse; failure to follow Kodak's operating, or maintenance instructions; or failure to use Kodak supplied items.

KODAK MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Repair or replacement without charge is Kodak's only obligation under this warranty. Kodak will not be responsible for any consequential or incidental damages resulting from the purchase, use, or improper functioning of this equipment even if the loss or damage is caused by the negligence or other fault of Kodak. Such damages for which Kodak will not be responsible include, but are not limited to, loss of revenue or profit, downtime costs, loss of use of the equipment, cost of any substitute equipment, facilities, or services, or claims of your customers for such damages.

Outside the United States

In countries other than the United States, the terms of this warranty may be different. Unless a specific Kodak warranty is communicated to the purchaser in writing by a Kodak company, no other warranty or liability exists beyond the information contained above, even though defect, damage or loss may be by negligence or other act.

How to obtain service

In the United States, call the Kodak Customer Assistance Center (KCAC) at 1-800-242-2424, extension 77 between the hours of 8:00 a.m. and 8:00 p.m. (eastern time zone), Monday through Friday.

In other countries, call your nearest Kodak representative.

If service is required, your Kodak representative will instruct you to return the unit to the nearest service center for repair and will issue you a return authorization number.

When returning an External Drive Power Supply and Terminator Accessory for repair, the unit shall be packed in its original packing materials. Please provide a written description of the problem. If the original packaging has been discarded or is not available, packaging will be at the owner's expense.

Return of the repaired or replaced unit to the customer can be expected five to seven days from the date the External Drive Power Supply and Terminator Accessory arrives at the service center.

Eastman Kodak Company ("Kodak") reserves the right to change this information without notice. The information contained herein is based on the experience and knowledge relating to the subject matter gained by Kodak prior to publication, but Kodak makes no warranty, express or implied, with respect to this information. Kodak shall not be liable for any loss or damage, including consequential or special damages, resulting from the use of this information, even if loss or damage is caused by Kodak's negligence or other fault. This publication contains proprietary information of Kodak or its licensors and is their exclusive property. No use may be made of it except according to a written agreement with Kodak. No patent or other license is granted by this information.

Index

A

- Accessing images
 - external hard disk
 - IBM PC or compatible 27
 - PhotoStyler software 27
 - MACINTOSH Computers 22
 - Photoshop software 22

D

- DCS 200 Digital Camera
 - attaching external hard disk 12
 - preserving files 9
 - supported external hard disks 9
 - updating firmware 12
 - updating software 12

E

- External Drive Power Supply
 - voltage settings 13
 - selector switch 13
- External Drive Power Supply & Terminator Accessory
 - 25-pin terminator, part number 10
 - included items 10
 - line cord, part number 10
 - MACINTOSH Ilfx, use with 8
 - not included items 11
 - PC, use with 8
 - Power Supply, part number 10
 - purchasing determination 8
 - SCSI connections
 - exceptions 8
 - software package, part number 10
 - terminator, 25-pin 10

External Hard Disk

- accessing images
 - ADOBE Photoshop 22
 - ALDUS PhotoStyler 27
- attaching to DCS 200 12
- connected camera & computer 7
- first-time use 9
 - preserving files 9
- MACINTOSH, direct connect 18
 - ADB power cable connection 19
 - SCSI extender 18
- MASS Microsystems HitchHiker 9
- operating temperature 4
- setting the SCSI ID for MACINTOSH 17
 - invalid SCSI IDs 17
 - valid SCSI IDs 17
- setting the SCSI ID for PCs 24
 - invalid SCSI IDs 24
 - valid SCSI IDs 24
- supported models 9
- using with Color Filter Wheel 7

H

- HitchHiker hard disk drive 3, 18

I

- IBM PC or compatible computer
 - SCSI Connections 23

K

- KODAK Drivers
 - ADOBE Photoshop 10, 12, 22
 - ALDUS PhotoStyler 10, 12, 27

L

- Line Cord 10
- Line Cord, *see* *External Drive Power Supply & Terminator Accessory*

M

- MACINTOSH Computers
 - MACINTOSH IIcx 15
 - MACINTOSH PowerBook 16
 - MACINTOSH Quadra 15
 - SCSI Connections 14
- MACINTOSH IIcx, *see Special MACINTOSH Connections*
- MACINTOSH PowerBook
 - 18-in., 30-pin to 25-pin cable 16
 - ordering 16
 - SCSI connection 16
 - 25-pin terminator
 - ordering extra terminator 16
- MACINTOSH PowerBook, *see Special MACINTOSH Connections*
- MACINTOSH Quadra, *see Special MACINTOSH Connections*

P

- PC or compatibles, *see SCSI Connections*
- Power sources 3
- Precautions 3

S

- Safeguards 3
- SCSI Connections
 - IBM PC or compatible
 - external hard disk
 - 25-pin terminator
 - connection 25, 26
 - SCSI chained 26
 - used as sole device 25
 - IBM PC or compatibles 23
 - Future Domain SCSI Host Adapter 23
 - MACINTOSH Computers 14
 - external hard disk
 - 25-pin terminator
 - connection 20, 21
 - SCSI chained 21
 - used as sole device 20

- special connections 15
 - ADB power cable 15
 - MACINTOSH IIcx 15
 - MACINTOSH PowerBook 16
 - MACINTOSH Quadra 15
 - SCSI cable length 15
 - PowerBook termination 16
- supported MACINTOSH Computers 14
- Special MACINTOSH Connections 15

This page is intentionally left blank.



PROFESSIONAL
I M A G I N G

Supplement: Using an External Hard Disk with a Computer
Part No. **692238**

Kodak is a trademark.

Major revision 10/93
Printed in U.S.A.